Precision Rated Optics

Work with a PRO!

Sales, Service, Support *USA Proud*

2016 Product Catalog

www.PrecisionRatedOptics.com

Toll Free: (888) 545-1254 *Sales@PrecisionRatedOptics.com* *Fax: (415) 358-4602*

Throughout the Precision Rated Optics line of products you will find quality and affordability unmatched by other brands. We are involved in every step of the manufacturing process. With a staff of highly experienced product managers and engineers with over 50 years of field experience, we are able to deliver you the quality products that you need. We understand the growing demands of installers, technicians, plant managers, and linemen who work hard to keep the network up and running.

When you build a quality product, people notice. Anybody who works in the field knows that you have to be able to rely on your tools, because without rugged, reliable, easy-to-use tools, you don't stand a chance of meeting tight job deadlines or attaining reliable results.

Our tools are designed and built to be the best in the industry and to consistently deliver results at a competitive price.

At PRO we aim high and we strive to make all of our products as practical and economical as possible - allowing you to spend your time and resources on the key areas that make your business successful.

That will continue to be our promise to you as we endeavor to build our solid reputation - one customer at a time.

Let's face it - when it has to be right, you have to work with a PRO.

Thank you for choosing our products and supporting the fiber optic industry.
Together we'll get the job done.

Sincerely,

Thomas DePaolantonio
President, Precision Rated Optics

Precision Rated Optics

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Part of the Adtell Group

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PRO Cert™

Certification Training

PRECISION RATED OPTICS

Training through the Fiber School

- Our instructors are field-experienced, not just classroom-smart
- Our material features practical, real-world lab exercises
- Our courses provide certification testing of your practical knowledge
- Convenient locations nationally and internationally

Regularly Scheduled Courses:

- ***Installer Courses*** - These courses are designed to provide a basic introduction to theory, standard practices and codes. These courses provide students with hands on, real world lab exercises and certification is available upon successful completion of the course.
- ***Technician Courses*** - Technician courses build on the foundation gained in the installer course. This training is ideal for experienced installers. This course features advanced procedures and techniques
- ***Master Courses*** - Master courses are for students that have several years of field experience or have completed the required installer and technician courses. These courses focus on design, preparation and advanced hands on labs.
- ***Wireless and Security*** - From Ethernet Backhaul, security camera and wireless courses, our courses span both physical and protocol layers.

Online courses:

Training via our e-learning software is easy and affordable. For professionals with limited time and travel ability, our fundamental courses are offered online for your convenience.

On-Site:

For companies that have 8 or more students that need to be trained, on-site training is the perfect solution. Convenient and flexible we provide the instructor, equipment and materials. Reduce your travel expenses and increase your staff's productivity with training provided at your location.

Custom Courses:

Don't see a course that fits your exact needs? With our custom training options you can have the course topic you want. From broad perspective to a focus on a product or procedure let us work with you to customize the training that fits your exact specifications.

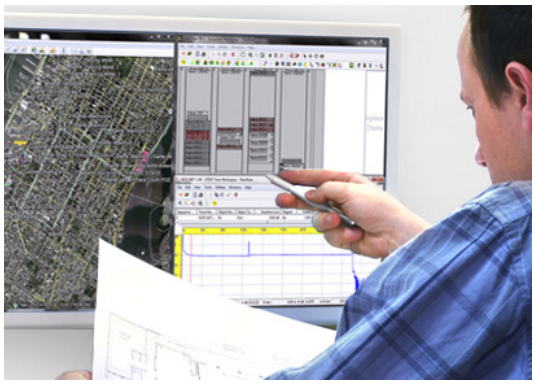
Our goal is to provide your company with the best training experience possible. We use the latest equipment, top instructors and course material that is not only practical is critical to your success. If you have any questions please contact:

PRECISION RATED OPTICS

PRO Serv™

Fiber Optic Services

Fiber Characterization



Whether you need to optimize an existing network or are planning an overbuild, new build or upgrade, fiber characterization is a crucial first step. Typical testing includes: Chromatic Dispersion (CD) Testing, Polarization Mode Dispersion (PMD) Testing, Optical Time Domain Reflectometer (OTDR) Testing, Optical Return Loss (ORL) Testing, and Optical Channel Analysis (OCA). Regardless of your end goals, a well-designed network relies upon accurate fiber characterization to operate efficiently and reduce downtime.

Splicing

Using only the latest and best equipment in the industry, PRO-Serv's engineers perform splicing operations around the world.

FTTx Services

Field engineers are available to support either aerial or underground FTTx installations nationwide.

Engineering

If your project requires CAD images, Visio documents or just a hand drawing, our trained and certified staff will make the appropriate recommendations and assist with the project completion.

Emergency Restoration

When disaster strikes, PRO-Serv can step in to restore critical data pathways and get your customers up and running again. PRO-Serv can also help your company develop and initiate a comprehensive Preventive Maintenance Program (PMP) as well as Emergency Response Plans (ERP) to reduce downtime due to unpredictable outages.

Other Services Include:

- Network Mapping
- Mechanical Repair
- Annual Cleaning, Documentation and Certification
- Maintenance
- Backbone, NAP and NID Splicing
- OTDR, PM & LS Testing

And much more!!

Give us a call to find out how PRO-Serv can help you!

888-545-1254

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All products are sold FOB shipping point. Items will be shipped UPS ground, freight collect or third-party bill unless otherwise requested by purchaser. Please advise method of shipment and preferred carrier when order is placed. We discourage mandatory carrier requirements which have an adverse effect on service and delivery. Check your order immediately upon arrival. All damages must be noted on delivery receipt. Any claims for damage or loss of items while in transit must be filed with the carrier.

For purchasers with established credit, terms are net 30 days from date of shipment. Payments must be in U.S. dollars and cash discounts are not allowed. Our remit to address is Precision Rated Optics, PO Box 877 Trexlertown, PA 18087

Items being returned must first be approved and must be shipped freight prepaid. Returned goods are subject to a 25% restocking fee.

Any liability for consequential or incidental damages is expressly disclaimed. Liability is limited to, and shall not exceed, the purchase price paid.

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PRO-790 *Fusion Splicer*

The PRO-790 Fusion Splicer is a rugged, compact fusion splicer that quickly splices 250μm, 900μm and 3mm fiber, as well as Splice-On Connectors.

The PRO-790 has an 8-Second splice time, 4.3" LCD touchscreen monitor and is ruggedized for heavy field use. With an onboard oven capable of accommodating Splice-On Connectors, the PRO-790 is extremely versatile.

Sold, serviced and supported in the USA, the PRO-790 comes with a 1-Year Manufacturer warranty, Splice-on-Connector holders and a carrying case.

CE

RoHS COMPLIANT

- Simultaneous X and Y Views
- Ideal for Lateral Splicing
- PAS Technology
- 8-Second Splice Time
- Lithium Polymer Battery for Extended Run-Time

PRO-790 Fusion Splicer Standard Package Includes:

Fusion Splicer, DC Charger, Spare Electrodes, Cooling Tray, Carry Case, Fiber Cleaver, Fiber Strippers, SOC (SC) Fiber Holder, Operating Manual

Ordering Information

PRO-790	Core-Alignment Fusion Splicer w/Splice-On Connectors

SPECIFICATIONS

Applicable Fibers	SM, MM, DS, NZDS, G655, G657
Fiber Diameter	Cladding Diameter: 80-150μm; Coating Diameter: 100~1,000μm
Average Splice Loss	0.01db (MM), 0.02db (SM), 0.04db (DS/NZDS/G.655/G.657)
Return Loss	60dB
Tension Test	2.0N (Standard)
Splice Time	8 Seconds
Sleeve Lengths	20mm, 40mm, 60mm
Sleeve Heating Time	35 Sec.
Splicing Programs	5 groupd of preset programs, 75 groups of manual settings
Alignment	Core Alignment (PAS Technology)
Splicing Method	Arc Splicing
Fiber Holder	Bare Fiber, Pigtails. Patch Cords. Splice-on Connectors (SC)
Monitor	4.3" Color LCD Touchscreen
Interface	USB
Languages	English, Chinese, Russian, Spanish, Portuguese
Data Storage	10,000 Splice Results
Electrode Lifespan	>/= 5,000
Operating Temperature	-0.4° F ~ 122° F (-18° C ~ 50° C)
Storage Temperature	-40° F ~ 176° F (-40° C ~ 80° C)
Power Supply	85 ~ 260V input Voltage 12V, 6Ah, up to 120 times continuous splice and heat
Environmental Conditions	0 ~ 95% (Humidity), 0 ~ 5000m (Altitude)
Weight & Dimensions (LxWxH)	4.8" x 4.8" x 5.1" / 4.5 lbs (122mm x 122mm x 130mm / 2.04 kg) w/Batt
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)

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OFS-904S

Fusion Splicer

The OFS-904S is the most popular active alignment fusion splicer from Precision Rated Optics and is perfect for FTTx applications. With excellent portability and reliability, customers experience convenience in any place, especially manholes, small cell huts or tight telco closets. The OFS-904S increases productivity with fast splicing and heating times.

A dynamic operational interface and automatic splice mode give the user added efficiency. The OFS-904S offers SOC capability, providing superior performance with reduced insertion loss and back reflection. The OFS-904S is economical, durable and backed by Precision Rated Optics service and warranty in the United States. The OFS-904S is the perfect addition to any PRO Go-Kit!

- 4.3" Touch Screen
- Waterproof, Dustproof, Anti-Shock
- SOC Compatible
- 4 Motors Active Clad Alignment

OFS-904S Standard Package Includes:

Splicer, Power Cord, Car Charger, Cable, SOC Heater Block, Shoulder Strap, Cleaver, Softcase, USB Cable, Cooling Tray, SOC Holder, User Manual, Cleaver, AC Adapter, Spare Electrodes, 2 Battery Packs, Hard Carrying Case.

Ordering Information

OFS-904S	Fusion Splicer

SPECIFICATIONS

Splicing Method	Active Alignment DAA (Digitalized Active Alignment)
Average Loss	(SM)0.03dB, (MM)0.01dB, (DS)0.05dB, (NZDS)0.05dB, (G.657)0.03dB
Return Loss	>>60dB
Splice Time	12s average SM I SM 7s Quick mode
Electrode Lifespan	>3,500 arcs
Applicable Fiber	SM(ITU-T G.652, MM(ITU-T G.651), DS(ITU-T G.653), NZDS(ITU-T G.655), IT-G657A, IT-G657B 0.25mm, 0.9mm, 2.0mm, 2.4mm, 3.0mm, FLAT(indoor cable)
Cleaved Length	Coating Diameter< 0.25mm = 5-16mm. Coating Diameter > 0.25mm = 8-16mm Minimum
Coating Diameter	100-1000um
Cladding Diameter	80-150um
Heating Programs	Factory Installed Mode: 3, User Installable Mode: 23
Heating Time	Typical 18sec
Protection Sleeve	40mm, 60mm, SDC-3.0, SOC-0.9
Data Output	Micro HDMI-USB Master Device
Splice Programs	8 User Modes, User Installable Mode : 70+
Splice Memory	Up to 2000 Records
Battery	Typical 200 Cycles (Splice & Heat) / Single Battery <2 Batteries Standard>
Power Supply	AC 100-240V Input or DC 9-14V
Monitor	Color 4.3" LCD Monitor, with Touch Screen (Tempered Glass)
Cameras	2 CCD Camera System
Magnification	XY : 150 Times , X/Y: 300 Times
Fiber Display	X/Y or XY, single X.Y
Size/Weight (WxDxH)	4.8" x 4.88" x 5.43"in / 2.88lb (122 x 124 x 138mm / 1.31Kg w/o Battery)
Wind Protection	The Max Wind Speed 15m/s
Operating Environment	Elevation: 0-5,000 Meters,Temp: 5 ~ 140°F (-15~60°C), 0-95% Relative Humidity
Storage Conditions	Temp: -40~176°F (-40~80°C), 0-95% Relative Humidity, Battery: -4~86°F (-20-30°C)
Pull Test	1.96-2.25N (Standard)
Warranty	Standard 1-Year Manufacturer Warranty

OFS-935C

Fusion Splicer

The PRO OFS-935C is the perfect splicer for *ANY* job. This splicer has it all, from the easy-to-use touch screen interface to the rock solid core alignment splicing — all at a price that is thousands less than other comparable brands.

With an innovative design and engineered with precise manufacturing technology, the OFS-935C gives users an unmatched experience. Splice with confidence no matter what harsh environmental condition you encounter. The OFS-935C offers SOC capability, providing superior performance with reduced insertion loss and back reflection. The OFS-935C is economical, durable and backed by Precision Rated Optics service and warranty in the United States. The OFS-935C is available in three configurations, and is a perfect addition to any PRO Go-Kit!

- 4.3" Touch Screen
- Waterproof, Dustproof, Anti-Shock
- SOC Compatible

SPECIFICATIONS

Splicing Method	Economical & High Performance Core Alignment Splicer
Average Loss	(SM)0.02dB, (MM)0.01dB, (DS)0.04dB, (NZDS)0.04dB, (G.657)0.02dB
Return Loss	>>60dB
Splice Time	9s average SM / SM 7s Quick mode
Electrode Lifespan	>3,500 arcs
Applicable Fiber	SM(ITU-TU.625. MM(ITU-TU.651 }, DS(ITU-T G.653}. NZDS(ITU-T.655}, G657A, G657B 0.25mm, 0.9mm, 2.0mm, 2.4mm, 3.0mm, FLAT(Indoor cable}
Cleaved Length	Coating Diameter< 0 .25mm ~ 8-16mm, Coating Diameter> 0.25mm = 16mm minimum
Coating Diameter	100~1,000 um
Cladding Diameter	80~150um
Heating Programs	Factory installed mode: 9, User Installable mode: 23
Heating Time	Typical 18s
Protection Sleeve	40mm, 60mm, SOC Connector
Data Output	HDMI
Splice Programs	Factory Installed Mode: 33, User Installable Mode: 70+-
Splice Memory	Up to 2,000 Records and 2,000 Splice Images
Battery	Typical 200 Cycles (Splice & Heat} / Single Battery
Power Supply	AC 100-240V Input or DC9-14V
Monitor	Color 4.3" LCD Monitor, with Touch Screen (Tempered Glass}
Cameras	2 CCD Camera System
Magnification	XY style: 150 Power, X/Y: 300 Power
Fiber Display	X /Y or XY, Single X.Y
Size/Weight (WxDxH)	5.47" x 4.84" x 5.11"in / 3.06lb (139 x 123 x 130mm / 1.39Kg w/o Battery)
Operating Environment	Elevation: 0-5,000 Meters,Temp: -40~176°F (-40~80°C), 0-95% Relative Humidity
Wind Protection	The Max Wind Speed 15m/s
Storage Conditions	Temp: -40~176°F (-40~80°C), 0-95% Relative Humidity, Battery: -4~86°F (-20-30°C)
Pull Test	1.96~2.25N (Standard}
Warranty	Standard 1-Year Manufacturer Warranty

OFS-935C Series Standard Package Includes:

Splicer, Power Cord, Stripper, AC Adapter, Battery, SOC Holder, SOC Heater Block, Cooling Tray, Electrode Set, Shoulder Strap, USB Cable, User Manual, Hard Carrying Case.

Ordering Information

OFS-935C-K1	Fusion Splicer Standard Package
OFS-935C-K2	Fusion Splicer Standard Package + Precision Cleaver
OFS-935C-K3	Fusion Splicer Standard Package + Precision Cleaver + Spare Battery + Car Charger + Spare Electrodes

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OFS-936S

Fusion Splicer

The OFS-936S, with its portability and reliability, gives customers unexpected convenience under any splicing conditions. The fast heating and six motor alignment splicing get the job done quickly with stability. The OFS-936S offers SOC capability, providing superior performance with reduced insertion loss and back reflection. The OFS-936S works for you in tough conditions, including wind, moisture, dust.

With cutting-edge design and engineered with precise manufacturing technology, the OFS-936S gives users a unique experience. The OFS-936S is SOC compatible and yields superior performance with reduced insertion loss and back-reflection. The OFS-936S is economical, durable and backed by Precision Rated Optics service and warranty in the United States.

- Fastest Heating Time (18sec)
- SOC Compatible
- 4.3" Touchscreen
- Smallest Splicer

OFS-936S Standard Package Includes:

Splicer, Power Cord, Car Charger, Cable, SOC Heater Block, Shoulder Strap, Cleaver, Softcase, USB Cable, Cooling Tray, SOC Holder, User Manual, Cleaver, AC Adapter, Spare Electrodes, 2 Battery Packs, Hard Carrying Case.

Ordering Information

OFS-936S	Fusion Splicer

SPECIFICATIONS

Splicing Method	Core Alignment DWACAS (Digital Wavelength Automatic Core Alignment System)
Average Loss	(SM)0.02dB, (MM)0.01dB, (DS)0.04dB, (NZDS)0.04dB, (G.657)0.02dB
Return Loss	>>60dB
Splice Time	12s Average SM / SM 7s Quick Mode
Electrode Lifespan	>3,500 Arcs
Applicable Fiber	SM(ITU-T G.652, MM(ITU-T G.651). OS(ITU-T G.653). NZDS(ITU-T G.655), IT-G657A, IT-G657B 0.25mm, 0.9mm, 2.0mm, 2.4mm, 3.0mm, FLAT(Indoor Cable)
Cleaved Length	Coating Diameter< 0.25mm 8-16mm, Coating Diameter > 0.25mm=16mm Minimum
Coating Diameter	100-1,000um
Cladding Diameter	80-150um
Heating Programs	Factory Installed Mode: 11, User Installable Mode: 23
Heating Time	Typical 18s
Protection Sleeve	40mm, 60mm. SOC Connector
Data Output	Micro HDMI - USB Master Device
Splice Programs	Factory Installed Mode: 33, User Installable Mode: 70+
Splice Memory	Up to 2,000 records and 2,000 Splice Images
Battery	Typical 200 Cycles (Splice & Heat) / Single Battery <2 Batteries Standard>
Power Supply	AC 100-240V Input or DC 9-14V
Monitor	Color 4.3" LCD Monitor, with Touch Screen (Tempered Glass)
Cameras	2 CCD Camera System
Magnification	XY Style: 150 Power, X/Y : 300 power
Fiber Display	X/Y or XY, single X.Y
Size/Weight (WxDxH)	4.8" x 4.88" x 5.43"in / 3.06lb (122 x 124 x 138mm / 1.39kg w/o Battery)
Wind Protection	The Max Wind Speed 15m/s
Operating Environment	Elevation: 0-5,000 Meters,Temp: 5 ~ 140°F (-15~60°C), 0-95% Relative Humidity
Storage Conditions	Temp: -40~176°F (-40~80°C), 0-95% Relative Humidity, Battery: -4~86°F (-20-30°C)
Pull Test	1.96-2.25N (Standard)
Warranty	Standard 1-Year Manufacturer Warranty

OFS-950S

All-in-One Core-Alignment Optical Fusion Splicer

The Precision Rated Optics OFS-950S All-in-One, Core-Alignment Fusion Splicer has quickly become one of PROs most popular splicers. The OFS-950S accepts Splice-on Connectors and has an automatic thermal stripper, cleaner dispenser, one-step precision cleaver and dual-oven heater right onboard!

With a splicing time of only 9 seconds, a tube heating time of just over 20 seconds and battery capacity of over 320 splicing operations, the OFS-950S is the "Swiss Army Knife" of splicers and is rapidly becoming the "must-have" tool for fiber technicians.

The OFS-950S also boasts a 4.3" touchscreen color monitor and can splice any single fiber, singlemode or multimode fiber as well as splice-on connectors! Sold, serviced and supported in the USA and includes a 1-Year manufacturer's warranty, spare electrodes and a carrying case.

RoHS COMPLIANT

- All-in-One Design
- Navigational Touch-Screen with 4.3" Color Monitor
- 250µm/900µm Fiber Holders
- Thermal Stripper
- Long Battery Life (320 Splice/Heat Cycles)
- Water, Dust and Shock Resistant
- Attached Sleeve Loader
- Dual-Sleeve Heater
- Compatible with SOC Connectors (Optional)

OFS-950S Standard Package Includes:

Fusion Splicer with Auto Stripper, Cleaner Unit and Cleaver, AC/DC Adapter/Charger, Sleeve Loader, Spare Electrodes, Battery Pack, Cooling Tray, User Manual, Hard Carrying Case

Ordering Information

OFS-950S	Core Alignment Fusion Splicer

SPECIFICATIONS

Alignment	IPAS Core-to-Core Alignment (Image Pattern Analysis Alignment System)
Applicable Fibers	SMF (ITU-T G.652), MMF (ITU-T G.651), DSF (ITU-T G.653), NZDSF (ITU-T G.655), EDFA, EI980
Applicable Fiber Dimensions	Single: Cladding Diameter 80µm ~ 150µm , Coating Diameter 100µm ~ 1,000µm
Fiber Cleaved Length	250µm (Coated): 8 ~ 16mm, 900µm: 16mm
Typical Splice Loss	(SMF) 0.02dB | (MMF) 0.01dB | (DSF) 0.04dB | (NZDSF) 0.04dB
Return Loss	> 60dB
Tension Test	2N/4.4N (option)
Splicing Times	Splicing: Typically 9 sec. Heating Time: Typically 20 - 26 sec. with S-160 (60mm) Tube
Data Storage	2,000 Splice Results (Images: x100 Results)
Ports	USB, RCA, External Power
Batteries	DC 14.8V Lithium Polymer Batteries (7700mAh)
Battery Capacity	320 Splicing Operations
Aux. Power	100 ~ 240V AC/DC Adaptor
Electrode Lifespan	>2,000 Splicing Operations
Display	2x CMOS Cameras and 4.3" Color LCD Monitor with Touchscreen
Fiber View and Magnification	X/Y 300X, 170X
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Environmental Conditions	Humidity: 95% (Non-Condensing) Altitude: 0~5000m Above Sea Level Wind: 15 m/s
Weight & Dimensions (LxWxH)	5.59" x 8.85" x 5.19" / 7.05 lb (225mm x 142mm x 132mm / 2.95 kg)
Warranty	Standard 1-Year Manufacturer Warranty

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OFS-950R

All-in-One Ribbon Fusion Splicer

The increasingly popular OFS-950R "All-in-One" Ribbon Fusion Splicer has a 12-fiber ribbon holder, and can strip, clean, cleave, splice and sleeve. It is compatible with Splice-On-Connectors, and the Lithium Polymer battery can achieve 320 splicing operations on a single charge.

A built-in thermal stripper eliminates the possibility of scratching the fiber, and the unit is water, dust and shock resistant. The OFS-950R comes standard with 250μm and 900μm fiber holders and dual sleeve heaters. The compact design eliminates the need for a large work space, and the large, 4.3" LCD touchscreen makes splicing operations fast and efficient.

Sold, serviced and supported in the USA, the OFS-950R is RoHS compliant and comes with a 1-year manufacturer's warranty, spare electrodes, ribbon holders and a hard carrying case.

RoHS COMPLIANT

- 12-Fiber Ribbon Splicing / "All-in-One" Design
- Navigational Touchscreen with 4.3" Color Monitor
- Water, Dust and Shock Resistant
- High-Capacity Lithium Polymer Battery (320 Splicing Operations)
- Compatible with SOC Connectors (Optional)

OFS-950R Standard Package Includes:

Fusion Splicer, Thermal Stripper, Cleaver, Alcohol Dispenser, AC Adapter, Sleeve Loader, Spare Electrodes, 250/900 Micron / 12-Ribbon Fiber Holders, Battery Pack, Cooling Tray, Holder, Tool Box, User Manual, Carrying Case

Also Available: Ribbon Holders for 2, 4 or 8-Fiber Ribbon

Ordering Information

OFS-950R	All-in-One Ribbon Fusion Splicer

SPECIFICATIONS

Applicable Type of Fibers	SM (ITU-T G.652), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G.655)
Fiber Count	Single Fiber, 2 ~ 12 Fibers
Applicable Fiber Dimensions	Single Cladding Diameter 125μm, Single Coating Diameter 250μm, 900μm Ribbon Cladding Diameter 125μm, Ribbon Fiber Thickness 0.27 ~ 0.32mm
Fiber Cleaved Length	8mm
Splicing Modes	100 Splice Modes, 50 Heat Modes
Typical Splice Loss	SM: 0.05dB, MM: 0.02dB, DS: 0.08dB, NZDS: 0.08dB
Return Loss	> 60dB
Splicing Time	Typically 20 sec with Standard SM (ITU-T G.652)
Sleeve Heating Time	30 seconds, 90 seconds (connector)
Sleeve Lengths	60mm/40mm (Fiber), 28mm/32mm (Connector)
Storage of Splice Results	1,000 Splice Results / 100 Image Results
Tension Tests	2N
Display	4.3." Color LCD Touchscreen Monitor
Cameras	Dual CMOS
Fiber View and Magnification	X/Y | 300X/170X
Ports	USB, External Power
Battery	DC 14.8V Lithium Polymer (8400mAh)
Additional Power (Optional)	12VDC (Vehicle Accessory Port)
Battery Capacity	320 Splicing/Heating Cycles
Electrode Life	> 1,000 Splicing Operations
Operating Temp.	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temp.	-40°F ~ 176°F (-40°C ~ 80°C)
Environmental Conditions	0 ~ 95% (Humidity, Non-Condensing), 0 ~ 5000m (Altitude), 15mph (Max. Wind Velocity), Dust Proof, Shock Proof
Weight & Dimensions (LxWxH)	5.59" x 8.85" x 5.19" / 7.05 lb (142mm x 225mm x 132mm / 3.2kg)
Warranty	Standard 1-Year Manufacturer Warranty

OBL-201A

Optical Break Locator

The OBL-201A Break Locator is a 9/125µm Singlemode Break Locator operating at 1550nm (± 20nm) and boasting a 90mW output, capable of testing up to 100Km. Technicians can quickly locate fiber breaks and imperfections and detailed results are displayed on a large LCD screen.

At only 10 oz, this unit is extremely portable and user-friendly. The USB port and included USB cable make it easy to transfer data and perform updates. A built-in VFL port and <10 Meter Dead-Zone make the OBL-201A a true performer.

Sold, serviced and supported in the USA, the OBL-201A comes with a standard 3-year manufacturer's warranty, interchangeable connectors and a rechargeable NiMH battery and charger.

- Short Dead Zone - Less Than 10m
- Backlit for Easy Operation in Low Light
- Data Transfer via USB Interface
- Interchangeable Connectors (SC/ST/FC)
- Built-in VFL Port

OBL-201A Standard Package Includes:

OBL-201A, Rechargeable NiMH Batteries (x4), AC/DC Adapter/Charger, PC Data Management Software, USB Cable, Test Report, Manual, FC, ST, SC Connector Adapters for Both Ports, Soft Carrying Case

Ordering Information

OBL-201A	Optical Break Locator

SPECIFICATIONS

Fiber Type	9/125µm Singlemode
Wavelength	1550 (± 20nm)
Emitter Type	LD
Connector Type	FC/PC (Interchangeable SC,ST)
Pulse Width	10ns/20ns/40ns/80ns/320ns/640ns/1280ns/ 2560ns/5120ns/10240ns/20480ns
Max. Output Power	90 mW
Max. Measurement Range	100 Km (Reflective Event, >1 dB)
Distance Accuracy	Reflection event +/- (2 + 0.1% x Distance), Non-Reflection event +/- (100 + 0.5% x Distance)
Data Storage	260 Measurements
Event Dead Zone	<10 m (Reflective Event)
Power Supply	AC/DC Adaptor
Battery Life	Rechargeable NiMH Battery (5,000 Tests)
Communication Port	Mini USB
Operating Temperature	14°F~122°F (-10°C ~ +50°C)
Storage Temperature	-4°F ~ 140°F (-20°C~ +60°C)
Environmental Conditions	0 ~ 85% (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	7.5" x 4.1" x 2.1" / 10 oz (190 x 105 x 55mm / 400 g)
Warranty	Standard 3-Years Manufacturer Warranty

PRECISION RATED OPTICS

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OFL-301B

Optical Fault Locator

The OFL-301B is a high-performance, easy-to-use diagnostic tool designed for fiber maintenance, locating faults and general troubleshooting. The OFL-301B utilizes much of the same technology used in an OTDR, such as a graphical representation of the fault location, but at a much lower price point than an OTDR.

Up to 1,000 test results can be stored onboard and later transferred to a PC, via a built-in USB port. The onscreen interface has been engineered for ease of use and utilizes convenient "Hot Keys" for quick, simple testing.

Water, shock and dustproof, the OFL-301B is reliable and built to last. The unit will operate for up to 8 hours on the included NiMH rechargable battery and includes an AC/DC adapter. Sold, serviced and supported in the USA, the OFL-301B is a workhorse, well-suited for inside plant, outside plant and FTTx applications.

- Quick One-Button Fault Detection and Diagnosis
- High-Definition Graphical Interface
- "Hot Keys" and One-Button Testing
- Water, Dust and Shock-Proof
- Sold, Serviced and Supported in the USA
- 1 Year Warranty

OFL-301B Standard Package Includes:

OFL, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

Ordering Information

OFL-301B	Optical Fault Locator

SPECIFICATIONS

Fiber Type / Wavelength	1310/1550nm (±20nm)
Dynamic Range	30/30dB
Pulse Width	5ns, 10ns, 30ns, 100ns, 300ns, 1µs, 2.5µs, 10µs, 20µs
Event Dead Zone	3.5m
Attenuation Dead Zone	13m
Range of Use	Singlemode Fiber
Emitter Type	LD
Connector	SC/UPC (Interchangeable FC, ST)
Distance Accuracy	± (1m + 5 x 10^{-5} x Distance + Sampling Space)
Data Storage	1,000 Results
Communication Ports	USB
Power Supply	NiMH Rechargeable Battery / AC Adapter
Battery Life	8 hrs continuous operation, 20 hrs standby (on one charge); recharging time < 4 hrs
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Storage Temperature	-40°F ~ 158°F(-40°C ~ 70°C)
Environmental Conditions	0 ~ 95% RH (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	(8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70mm / 1kg)
Warranty	Standard 1-Year Manufacturer Warranty

PRECISION RATED OPTICS

Pulse Suppressor

AKA "Launch Boxes"

Used in conjunction with an OTDR, the Fiber Optic Pulse Suppressors (AKA "Launch Boxes") eliminate Dead Zones. Dead Zones occur after a reflective event.

The first reflective event (where the OTDR plugs into the bulkhead) will have a 2-5 meter Dead Zone, making it impossible to measure loss from 2-5 meters beyond the event.

The use of a pulse suppressor effectively moves the Dead Zone away from crucial connections and splice points, providing your trace with accurate test results in areas where loss must be calculated. Also, having a second pulse suppressor at the end of the cable under test will enable the OTDR to compare back scatter levels before and after the last reflective event.

- Eliminate Dead Zones for Front and Back-End Testing
- Rugged Pelican Case
- Corning Fiber Optic Cable
- Reduce Wear and Tear on OTDR Connectors
- Improves EMD in Multimode Fibers for More Precise Measurements

How to Configure Your Part Number:

PS - M -100 - FUTU - 1

(PS) -(Fiber Type) - (Meters) - (Connector Type) - (Second Connector Type)

Pulse Suppressor	Fiber Type	Fiber Length (Meters)	First Connector	Second Connector
PS	Single (S) 9/125	100 Meter	FU (UPC) FA (APC)	FU (UPC) FA (APC)
PS	Multi-Mode (M) 625/125	300 Meter	CU (UPC) CA (APC)	CU (UPC) CA (APC)
PS	Multi-Mode (N) 50/125	500 Meter	TU (UPC)	TU (UPC)
PS	Multi-Mode (L) OM3	1K Meter	LU (UPC) LA (APC)	LU (UPC) LA (APC)
PS	Multi-Mode (R) OM4	2K Meter		

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OFT-301 Series *Handheld OTDR*

The OFT-301 Series OTDR is a high-performance, easy-to-use diagnostic tool designed for fiber maintenance, locating faults and general troubleshooting. The OFT-301 Series OTDR offers the same functionality as a high-end OTDR at a fraction of the cost.

Up to 1,000 test results can be stored onboard and later transferred to a PC, via a built-in USB port. The onscreen interface has been engineered for ease of use and utilizes convenient "Hot Keys" for quick, simple testing.

Water, shock and dustproof, the OFT-301 Series OTDR is reliable and built to last. The unit will operate for up to 10 hours on the included NiMH rechargeable battery and includes an AC/DC adapter. The OFT-301B is a workhorse, well-suited for inside plant, outside plant and FTTx applications.

- High-Definition Graphical Interface
- "Hot Keys" and One-Button Testing
- Water, Dust and Shock-Proof
- Stores 1,000 Records
- 10 Hours Continuous Operation

OFT-301 Series Standard Package Includes:

OTDR, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

Ordering Information

OFT-301B	Handheld OTDR 28/28dB
OFT-301C	Handheld OTDR 38/36dB

SPECIFICATIONS

	OFT-301B	OFT-301C
Dynamic Range	28/28dB	38/36dB
Fiber Type / Wavelength	1310/1550nm (±20nm)	
Event Dead Zone	2.5m	
Attenuation Dead Zone	8m	
Range of Use	Singlemode Fiber	
Connector	FC/UPC (Interchangeable SC, ST)	
Distance Accuracy	± (1m + 5 x 10^{-5} x Distance + Sampling Space)	
Data Storage	1,000 Results	
Communication Ports	RS-232/USB	
Power Supply	NiMH Rechargeable Battery / AC Adapter	
Battery Life	10 hrs continuous operation, 20 hrs standby (on one charge)	
Warranty	1-Year Manufacturer's Warranty	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F(-20°C ~ 70°C)	
Environmental Conditions	0 ~ 95% RH (Humidity, Non-Condensing)	
Weight & Dimensions (HxWxD)	(8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70mm / 1kg)	
Warranty	Standard 1-Year Manufacturer Warranty	

PRECISION RATED OPTICS

OFT-2 Series *OTDR*

Bluetooth®

Can be Controlled with Your Android Smart Phone or Tablet!!

- Event Table with Pass/Fail Feature
- One-Button Testing
- Controllable via Android Device (Bluetooth)
- Telcordia-Compatible Software Included
- Trace Comparison with Trace Overlay

OFT-2 Series OTDR Standard Package Includes:

Universal Power Adapter w/US, UK, CE, and AU Plugs, Interchangeable FC, ST and SC Adapters, Windows/ Telcordia SR4731 Software, Rubber Boot, USB Cable, User Manual on CD

Ordering Information

OFT-2SM-35	1310/1550nm SM OTDR

The OFT-2 Series OTDR is the most affordable Bluetooth-enabled OTDR on the market today. Featuring Trace Overlay, TFT Color Display, One-Button Auto-Test and Event Analysis, the OFT-2 Series is a powerful OTDR that can even be controlled via Bluetooth, through any Android phone or tablet! Remote control allows for more mobility, a more powerful file management system, Geo-tagging of files, instant file sharing as well as a display size limited only by the size of the Android device.

The OFT-2 Series has a wide dynamic range and a 2-Meter Dead Zone, making it ideal for links up to 180km as well as short LAN links or FTTA/FTTH applications. A built-in VIP port is standard, and an inspection probe is available.

Manufactured, sold, serviced and supported in the USA, the OFT-2 Series OTDR comes standard with a 1-year manufacturer's warranty, FC, ST and SC adapters and a carrying case.

OTDR Specifications

Wavelengths	1310,1550 (±20nm)
Dynamic Range	32/30dB (SM)
Pulse Width	20-10,000ns
Units of Measurement	km, kf, mi
Event Dead Zone	<2m
Attenuation Dead Zone	<5m
Resolution	.25 - 64m
Measurement Accuracy	± (0.75m + 0.005% x Distance +Sampling Resolution)
Full-Distance Accuracy Range	1-180km (SM)
Typical Real-Time Refresh Rate	4 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	1,000 Traces
Memory Type	Internal
Power Supply / Charger	Universal
Battery (Rechargeable)	4 hr.
Ports	USB, VIP
Connector Types	FC, ST, SC (Interchangeable)
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Weight & Dimensions (HxWxH) (without rubber boot)	7.62" x 3.88" x 1.56" / 1.6 lb 194 x 99 x 40 mm / .072 kg
Warranty	Standard 1-Year Manufacturer Warranty

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OFT-3V2 Series *OTDR*

Bluetooth®

Can be Controlled with Your Android Smart Phone or Tablet!!

The OFT-3V2 Series OTDRs can be controlled via Bluetooth, from any Android device. Also included are a built-in Auto-Test /Auto-Wave Power Meter, VFL and CW/Fiber Identifier Light Source. An integrated Video Scope port is standard (scope optional).

The OFT-3V2 Series has a 36dB dynamic range and a 1-Meter Dead Zone. Ruggedized construction, file storage for 1,000 traces, Fib-R-Map schematics, event analysis, multiple operational modes and a 4" touchscreen make it perfect for testing and troubleshooting in LAN, MAN or WAN applications. Units available in MM/SM/QUAD.

The OFT-3V2 Series is sold, serviced and supported in the USA and is water, dust and shock resistant. It comes standard with a 1-year manufacturer's warranty as well as FC, ST and SC adapters.

- Bluetooth-Enabled - Controllable via Android Device
- "Instant-on" for Immediate Operation
- CW & Fiber Identifier Light Source
- Bi-Directional Trace Analysis
- Onboard Memory for 1,000 Traces

SPECIFICATIONS

Wavelength	850, 1300, 1310, 1490,1550 and 1625 (±20nm)
Dynamic Range	27/26dB MM, 36/35/35/35dB SM
Pulse Width	5 - 20,000 ns
Event Dead Zone	1m
Attenuation Dead Zone	4m
Data Points	up to 120,000
Resolution	.125 ~ 32m
Distance Measurement	± (0.75m + 0.005% x Distance + Sampling Resolution)
Distance Range	0.25-64 (MM), 0.25-240km (SM), 0.25 ~ 240km (Quad)
Real-time Refresh Rate	2 Hz
Connector Styles	FC, ST, SC
Communications Ports	USB and Bluetooth
Weight & Dimensions (HxWxH) (w/out boot)	7.75" x 4.5" x 2.25" / 1.7 lb (197 x 114 x 57mm / 0.8 kg)
Warranty	Standard 1-Year Manufacturer Warranty

Ordering Information

OFT-3V2-MM	850/1300nm Multimode Dual Wavelength OTDR W/VFL and LTS
OFT-3V2-SM	1310/1550nm Singlemode Dual Wavelength OTDR W/VFL and LTS
OFT-3V2-Q	850/1300/1310/1550nm Quad Wavelength OTDR W/VFL and LTS
VIS300	Video Probe

POWER METER SPECIFICATIONS

Detector Type	InGaAs
Connector Type	FC, ST and SC
Dynamic Range	+5 ~ -77dB, CATV (+25 ~ -57dB)
Auto Test Range	0 to -40dB
Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625nm (±20)
Power Measurement	± 0.18 dB (Under Reference Conditions), ± 0.25 dB (0 to -65 dBm), ± 0.35 dB (0 to +5 dBm) and from -65 to -77 dBm
Units of Measurement	dBm, dB
Resolution	.01 dB

LIGHT SOURCE SPECIFICATIONS

Fiber Type	Singlemode, Multimode
Wavelengths	850,1300,1310,1490,1550 and 625 nm (±20nm)
Output Power	0 dBm (-3dBm @ 1625nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	270 Hz, 1,000 Hz, 2000 Hz (CW)

OFT-3V2 Standard Package Includes:

OTDR, Universal Power Adapter w/US, UK, Continental Europe and Australian Adapters, Interchangeable FC , ST and SC Adapters, Android Application, Windows -Compatible Software, Rubber Boot and Manual on CD

PRECISION RATED OPTICS

OFT-5 Series *OTDR*

Boasting a 36dB dynamic range and a 1-meter Dead Zone, the OFT-5 Series OTDR satisfies even the most demanding testing and troubleshooting requirements. Featuring a one-button fault finder, ruggedized construction and multiple operational modes, the OFT-5 Series is perfect for LAN and Metro networks.

This versatile OTDR has a built-in Power Meter, Light Source, VFL and VIP port, 1-meter Dead Zone and onboard storage for 500 traces, downloadable via a USB port. Interchangeable FC, ST and SC connectors are included for maximize versatility.

Manufactured, sold, serviced and supported in the USA, the OFT-5 Series comes with a 1-year manufacturer's warranty and "Cert-Soft" software.

- Manufactured in the USA
- Fiber Inspection Video Probe Port
- Onboard Memory Stores 500 Traces
- 36 dB Dynamic Range
- Short, 1-Meter Dead Zone

OFT-5 Series OTDR Standard Package Includes:

OTDR, Universal Power Adapter with US, UK, Continental Europe and Australian Plugs, Interchangeable FC, ST and SC Adapters, Windows/Telcordia SR4731 Software, Protective Rubber Boot, User Manual on CD and Soft Carrying Case

OTDR Specifications

Dynamic Range	27/26dB (MM), 36/34dB (SM)
Pulse Width	5 ~ 20,000 ns
Units of Measurement	km, kf, mi
Event Dead Zone	1m
Attenuation Dead Zone	4m
Resolution	.125 ~ 32m
Measurement Accuracy	± (0.75m + 0.005% x Distance + Sampling Resolution)
Distance Accuracy	1~64km MM, 1~180km SM
Typical Real-Time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Memory Capacity	500 Traces
Memory Storage	Internal and Flash Drive
Power Supply	Universal AC/DC Adapter / Charger
Battery (Rechargeable)	8hr
Communication Ports	USB and USB Flash Drive Ports
Connector Styles	FC, ST, SC Interchangeable
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Weight & Dimensions (LxWxH)	7.75" x 4.5" x 2.25" / 2 lb (197 x 114 x 57 mm / 0.91 kg)
Warranty	Standard 1-Year Manufacturer Warranty

Light Source Specifications

Fiber Type	MM, SM
Wavelengths	850/1300 (MM), 1310/1550 nm (SM)
Output Power	0 dBm (-3dBm @ 1550nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	270 Hz, 1,000 Hz, 2000 Hz (CW)

Power Meter Specifications

Detector Type	InGaAs
Connector Types	2.5mm (Interchangeable)
Dynamic Range	+5 ~ -77dB (CATV: +25 to -57dB)
Wavelengths	850,1300,1310,1490,1550,1625nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Accuracy	± 0.18 dB (Under Reference Conditions), ± 0.25 dB from 0 ~ -65dBm, ± 0.35 dB from 0 ~ +5dBm and from -65 ~ -77dBm
Auto-Test Range	0 ~ -40dB

Visual Fault Locator Specifications

Emitter Type	Laser Photo Diode 1100~1700nm InGaAs -70 ~ +9dBm (with Interchangeable FC Adapter)
Wavelength	650nm (±5nm)
Connector Type	2.5mm Universal
Output Power	1mW Max

Ordering Information

OFT-5SM-35-FP	1310/1550nm SM OTDR with LTS, VFL & VIP Port
OFT-5MM-83-FP	850/1300nm MM OTDR with LTS , VFL & VIP PORT
OFT-5Q-FP	850/1300/1310/1550nm QUAD OTDR with LTS , VFL & VIP Port
OFT-5SM-35-VFP	1310/1550nm SM OTDR with LTS, VFL, VIP Port, Probe and Soft Case
OFT-5MM-83-VFP	850/1300nm MM OTDR with LTS, VFL, VIP Port, Probe and Soft Case
OFT-5Q-VFP	850/1300/1310/1550nm QUAD OTDR with LTS, VFL, VIP Port, Probe& Case

VP Models Include

Fault Locator, Power Meter

VFP Models Include

Video Inspection Probe, Fault Locator, Power Meter

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FTP-1 Series

Standard Handheld OTDR

The PRO FTP-1 OTDR boasts massive OTDR testing power in a small, ruggedized package. Designed for FTTx applications, the FTP-1 is also available with an optional Light Source, Power Meter and VFL.

With up to 65,534 sampling points, "Pass/Fail" assessment and ORL test function, the FTP-1 can precisely locate fiber events, making it perfect for FTTx applications, installation, maintenance, R&D and network testing. The user can store up to 1,000 test results and transfer the results (via USB) to data management software, such as FiberBase.

Sold, serviced and supported in the USA, the FTP-1 comes with a standard 1-year manufacturer's warranty, FC/PC, SC and ST adaptors and a soft carrying case.

Built-in:

- Light Source
- VFL

- Ideal for LAN/WAN/FTTx Certification & Troubleshooting
- Optional Stabilized Light Source, SM/MM Power Meter and VFL
- Pass/Fail Assessment and ORL Test Function
- Storage of 1,000 Test Results
- USB/RS-232 Data Interface, Driver-Free

SPECIFICATIONS

	1M2A	1S2A	1S2B	1S2C	1S2D
Wavelength (± 20nm)	850/1300	1310/1550			
Dynamic Range	21/24dB	28/26dB	32/32dB	38/37dB	45/43dB
Event Deadzone (m)	1.8			2.5	
Attenuation Deadzone (m)	8	10		14	
Multimode	Yes	No			

FTP-1 Series Standard Package Includes:

OTDR, Rechargeable Battery, AC/DC Adapter, Trace Manager Software CD, Data Transfer Cable (RS232/USB), Rubber Boot, Warranty Card, CE Certificate, Certificate of Calibration, Quick-Reference Guide, Soft Carrying Case

SPECIFICATIONS

Selectable Range (km)	0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10 @ 850nm; 0.1, 0.3, 0.5, 1.3, 2.5, 5.0, 10, 20, 40, 80 @ 1300nm; 0.3, 1.3, 2.5, 5.0, 10, 20, 40, 80, 120, 160, 240 @ others
Pulse Width (2)	12ns, 30ns, 100ns, 275ns, 1μs @ 850nm; 12ns, 30ns, 100ns, 275ns, 1μs, 2.5μs @ 1300nm; 5ns, 10ns, 12ns, 30ns, 100ns, 275ns, 300ns, 1μs, 2.5μs, 10μs, 20μs @ others
Averaging Time	15s,30s,1min,2min,3min
Distance Measure Accuracy	± (1m + 5x10-5 x Distance + Sampling Space)
Attenuation Detect Accuracy	± 0.05 dB / dB
Reflection Detect Accuracy	± 4dB
Data Storage	1,000 records
Connectivity	USB/RS-232
Connector	FC/PC (Interchangeable SC, ST)
Power Supply	NiMH Battery / AC Adaptor
Battery Life	8 hours continuous operation; 20 hours standby (on one charge)
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Environmental Conditions	0~95% (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	8.7" x 4.3" x 2.7" / 2.2 lb (220 x 110 x 70 mm / 1 kg)
Warranty	Standard 1-Year Manufacturer Warranty

Ordering Information

FTP-1M2A-PSF	MM (850/1300) OTDR:21/24dB
FTP-1S2A-PSF	SM (1310/1550) OTDR: 28/26db
FTP-1S2B-PSF	SM (1310/1550) OTDR: 34/32dB
FTP-1S2C-PSF	SM (1310/1550) OTDR: 38-37dB
FTP-1S2D-PSF	SM (1310/1550) OTDR: 45/43dB

PRECISION RATED OPTICS

OFT-8 Series Super-Tech

The "Super-Tech" All-in-One Optical Unit combines six essential tools. It includes an 8-Channel CWDM Channel Analyzer, 1310/1550nm Light Source, VIP port, VFL, Power Meter and Singlemode 1310/1550 OTDR for the ultimate in flexibility.

The 4" TFT display makes navigating the interface quick and easy. The Channel Analyzer features a 1/4-second refresh rate while scanning the top eight CWDM channels on the ITU grid (1471-1611nm). The Singlemode OTDR works at the 1310 and 1550nm wavelengths and can store 500 trace results, which can then be transferred via USB and managed with the included Telcordia SR4731 software.

The "Super-Tech" Optical Unit is manufactured, sold, serviced and supported in the USA. It comes standard with a 1-year manufacturer's warranty, FC, ST and SC adapters, an AC/DC adapter and soft carrying case.

- Rugged Case with Impact-Resistant Boot for Durability
- Onboard Help Database for Easy Operation
- 4" TFT Color Display for Quick Data Interpretation
- Long Battery Life for Lengthy Service Calls
- USB/PC and USB Flash Ports for Easy Data Transfer

PRECISION RATED OPTICS

OTDR

Wavelength	1310, 1550 nm
Dynamic Range	36 / 34 dB (SM)
Pulse Width	5 ~ 20,000 ns
Units of Measurement	km, kf, mi
Event Dead Zone	1m
Attenuation Dead Zone	4m
Resolution	.125 ~ 32m
Distance Measurements	± (0.75m + 0.005% x distance + sampling resolution)
Full-Distance Accuracy Range	1-180km Singlemode
Typical Real-Time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Connector Styles	FC, ST, SC Interchangeable
Memory Capacity	500 Traces

Power Meter Specifications

Detector Type	InGaAs
Connector Types	FC, ST and SC
Dynamic Range	+5 ~ -77dB (CATV +25 ~ -57dB)
Calibrated Wavelengths	850,1300,1310,1490,1550,1625nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Uncertainty	± 0.18 dB (under reference conditions), ± 0.25 dB from 0 ~ -65 dBm, ± 0.35 dB from 0 ~ +5 dBm and from -65 ~ -77 dBm
Auto Test Range	0 ~ -40dB

Light Source Specifications

Fiber Type	SM/MM
Wavelengths	850, 1300, 1310, 1550 nm (±20nm)
Output Power	0 dBm (-3dBm @ 1550nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1,000 Hz, 2000 Hz

CWDM Channel Analyzer

Wavelength Range	8-Channel 1471 ~ 1611nm
Channel Spacing	20nm
Channel Pass Band	±6.5nm
Channel Power Range	+5dBm ~ -50dBm
Absolute Accuracy	±1 dB
Max Composite Power	+23dBm
PDL	±0.2dB
Adjacent Channel Isolation	30dB
Measurement Time	< 1/2 Second
Readout Resolution	0.01dB
Return Loss	>40dB
Optical Interface	Universal UPC (FC/SC)
Graphical Display	Bar Graph and Table View
Memory Capacity	1,000 Scans

Visible Light Source

Emitter Type	Laser Photo Diode 1100 ~ 1700nm InGaAs-70 ~ +9dBm with Interchangeable FC Adapter
Wavelength	650nm (±5nm)
Connector Type	2.5mm Universal
Output Power	1mW Max.

Super-Tech OTDR Standard Package Includes:

OTDR, Universal Power Adapter w/US, UK, CE and AU Plugs, FC, ST and SC Adapters, Windows/Telcordia SR4731 Software, Rubber Boot, USB Cable, Manual on CD

Ordering Information

OFT-8CW-35SMFP	8 Channel CWDM w/ SM OTDR, VFL, LTS & VIP Port
OFT-8CW-35SMVFP	8 Channel CWDM w/ SM OTDR, VFL, LTS, VIP Port, Probe & Soft Case

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PRO-5350 Series *OTDR*

- IP65 Waterproof Rating
- 7" TFT, Color Touchscreen Display
- Built-in VFL
- Built-in Power Meter
- Built-in Stable Light Source
- User-Friendly Interface

Available Options

- SC or ST Adapters
- Video Inspection Probe

PRO-5350 Series Standard Package Includes:

OTDR, 12V Power Adapter, Lithium Battery, FC Adapter, USB Cord, User Guide, Test Report Software CD, Carrying Case

Ordering Information

PRO-5350-TS-D26	PRO-5350 OTDR SM, 26/24dB
PRO-5350-TS-D32	PRO-5350 OTDR SM, 32/30dB
PRO-5350-TS-D35	PRO-5350 OTDR SM, 35/33dB
PRO-5350-TS-D40	PRO-5350 OTDR SM, 40/38dB
PRO-5350-TS-D43	PRO-5350 OTDR SM, 43/41dB
PRO-5350-TS-M21	PRO-5350 OTDR MM, 19/21dB
PRO-5350-TS-Q21	PRO-5350 OTDR SM/MM, 19/21/35/33dB
PRO-5350-TS-Q22	PRO-5350 OTDR SM/MM, 19/21/40/38dB
PRO-5350-TS-T40	PRO-5350 OTDR SM, 40/38/38dB
PRO-5350-TS-T43	PRO-5350 OTDR SM, 43/40/40dB

The PRO-5350 Series OTDR is the new generation of intelligent OTDRs for use in fiber communications systems. With an increase in optical network construction in cities and suburbs, there is often a need for higher power OTDRs. The PRO-5350 is specifically designed for such applications.

The PRO-5350 Series is manufactured within precise engineering and design tolerances, keeping usability, durability and expandability in mind. Subject to stringent mechanical, electronic and optical testing, quality can be seen and felt from the ruggedized body and high resolution display, to the soft-touch keypad and user-friendly USB interface.

The PRO-5350 Series OTDR comes standard with a **VFL, Power Meter, Stable Light Source** and **Touchscreen**. Sold, serviced and supported in the USA, the PRO-5350 comes with a standard 3-year manufacturer's warranty and carrying case.

SPECIFICATIONS

Pulse Width	3-20Kns
Operational Wavelength	1310/1550 (Standard*)
Dynamic Range	32/30dB (Standard*)
Full-Distance Accuracy	240Km
Sampling Resolution	Minimum 0.25m
Sampling Points	Maximum 128,000 Points
Linearity	≤ 0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	± (1m+Measuring Distance x 3 x 10^{-5} + Sampling Resolution)
Internal Visual Source	10mW, CW/2Hz | VFL -5dBm
Data Storage	40,000 Groups of Curves
Interface	RJ-45 Port(x1); USB (x3) Type "A" (x2), Type "B" (x1)
Display	7" TFT-LCD Touchscreen
Battery	7.4V/4.4Ah Lithium Battery (with Aviation Certification), Battery Capacity: 12 Hours
Operating Temp.	14°F ~ 122°F (-10°C ~ 50°C)
Storage Temp.	-4°F ~ 158°F (-20°C ~ 70°C)
Environmental Conditions	0 ~ 95% RH (Humidity, Non-Condensing)
Weight & Dimensions (HxWxD)	9.9" x 6.6" x 2.9" / 1.5 lb (253 x 168 x 73.5mm / 1.5kg) (Battery Included)
Warranty	Standard 3-Years Manufacturer Warranty

*Standard - See Ordering Information for other available options

PRECISION RATED OPTICS

TP6 *Multifunctional Test Platform*

Large 8.4" Touchscreen Display

The TP6 is a compact, modular platform that allows for the “stacking” of up to three modules, providing a multitude of customizable configurations. Specifically designed for LAN, WAN FTTx and PON applications, the use of "Plug-and-Play" modules allows the TP6 to meet all of the test requirements for installers, contractors and service operators, performing network installation, service activation, maintenance or troubleshooting.

Some of the available features include an OTDR, Stabilized Light Source, PON Meter, Power Meter and Video Inspection Probe (VIP). An 8.4” TFT touchscreen display, with an intuitive onscreen interface makes operation quick and efficient.

Sold, Serviced and supported in the USA, the TP6 comes standard with a 1-Year manufacturer’s warranty, as well as Li-Ion Battery, AC/DC adapter and carrying case.

Platform Features (Mainframe)

- 8.4” TFT Touchscreen (800x600)
- Lithium-Ion Battery w/AC Adapter
- Optimized Power Management: 7 Hours of Continuous Operation
- Fast Boot-Up and Windows CE Operating System

Available Test and Inspection Modules

- VIP
- OTDR (with VFL)
- PON Power Meter (1310/1490/1550nm)
- Optical Power Meter
- Stabilized Light Source

Design Your Modules

A "Plug-and-Play" module can accommodate up to four individual test instruments. At the time of ordering, simply tell us which instruments you need and they will be built into the module.

Add Modules Later

If you desire, you can always add modules at a later time for greater functionality. The platform will accommodate up to three modules, stacked back-to-back.

To add additional test instrument functionality, you can either send us your original module for customization, or you can simply order another module and plug it into the back of the platform. Simple!

Add-on modules make adding functionality incredibly simple.

Platform Mainframe Standard Ports

PRECISION RATED OPTICS

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

Platform Specifications (Mainframe)

Memory	2 GB
Ports	USB (x2); 10/100Mbit/s RJ-45x1
Power Supply	Li-Ion Battery/AC Adapter
Battery Life	7 Hours of Continuous Operation
Display	8.4" TFT Touchscreen (800 x 600px)
Weight & Dimensions (HxWxD)	12.6" x 7.5" 2.8" / 4.6 lb(320 x 190 x 70mm / 2.1 kg) (Platform Only)
Warranty	Standard 1-Year Manufacturer Warranty

Module Example

Module port configurations determined by chosen options

Available Modules

OTDR with VFL

Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km MM: 1.3, 2.5, 5, 10, 20, 40Km
Pulse Width	SM: 5ns, 10ns, 30ns, 100ns, 300ns, 1μs, 2.5μs, 10μs, 20μs MM: 5ns, 10ns, 30ns, 1μs, 2.5μs
Visual Light Source	Output Power: ≥ -3dBm; MOD Frequency: 1 Hz; Detection Range: 5Km

**All OTDR modules are available with built-in Power Meter*

OTDR Wavelength Options

P/N	Wavelength (±20nm)	Dynamic Range (dB)	EDZ (m)	ADZ (m)
MFS20	1310/1550	45/43	1	4.5
MFS30	1310/1490/1550	38/38/37	1.5	10
MFS31	1310/1550/1625	38/37/37	1.4	9
MFS32	1310/1383/1550	38/37/37	1.5	10
MFS33	1310/1550/1650	38/37/37	1	4.5
MFQ40	850/1300/1310/1550	23/36/38/36	1.6	8/9/10/12
MFS41	1310/1490/1550/1625	38/37/36/36	1.5	10

OPTIONAL Built-in OPM for OTDR Module

CAL Wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650nm
Power Range (dBm)	-70 ~ +10 (-60 ~ +10 @ 850nm)

TP6 Standard Package Includes:

TP6 Platform, Li-Ion Battery, AC/DC Adapter/Charger, Rubber Boot and Soft Carrying Case

Optical Power Meter

CAL Wavelength	850, 1300, 1310, 1490, 1550, 1625, 1650nm	
Power Range (dBm)	-70 ~ +10 (-60 ~ +10 @ 850nm)	-50 ~ +27 (CATV)
Accuracy	± 5% ±0.01nW (±0.5dB@850nm)	± 5% ±1nW (±0.5dB@850nm)
Detector Type	InGaAs	
MOD Identification	270, 1K, 2K Hz	
Resolution	0.01dB	
Connectors	FC (Interchangeable SC, ST)	

Stabilized Light Source

Wavelengths	1310, 1490, 1550, 1625nm (±20nm)
Emitter Types	FP-LD@1310, 1490, 1550nm; DFB-LD@1625nm
Output Mode	CW, 270Hz, 1KHZ, 2KHz
Spectrum Width	≤ 5nm
Output Power	≥ -3dBm
Power Stability	± 0.05dB/15min; ± 0.10dB/8hr
Connectors	FC/UPC (Interchangeable SC, ST)

PON Power Meter

CAL Wavelengths	1310	1490	1550
Measurement Range	-40 ~ +10dBm	-40 ~ +10dBm	-40 ~ +10dBm
Spectral Passband	1310±50nm	1490±15nm	1550±10nm
Power Accuracy	≤ 0.5dB		
Display Resolution	0.01 dB		
Insertion Loss	≤ 1.5 dB		

***Pass-through PON Power Meter simultaneous measures triple-play signals (1310/1490/1550)**

Video Inspection Probe

Field of View	400μm x 300μm
Resolution	≤ 1.5μm
Focusing	Manual Focus
Hand-Probe Dimensions	32mm x 175mm

TP6 Configurator

Mainframe	Dash	Modules	Dash	Power Meter	Options	Video Inspection Scope
TP6	-	**AAAAA**	-	**B**	**C**	**D**
TP6	-	MFS20 = 1310/1550nm, 45/43dB	-	P = Standard Power Meter	L = Live Testing	V = Video Inspection
		MFS30 = 1310/1490/1550nm, 38/38/37dB				
		MFS31 = 1310/1550/1625nm, 38/37/37dB			N = Pass Thru Splitter Function	
		MFS32 = 1310/1383/1550nm, 38/37/37dB		N = PON Power Meter		
		MFS33 = 1310/1550/1650nm, 38/37/37dB			S = Stable Light Source	
		MFQ40 = 850/1300/1310/1550nm, 23/36/38/36dB				
		MFS41 = 1310/1490/1550/1625nm, 38/37/36/36dB				

TP6-MFS20-PSV = TPB Mainframe, MFS20 Module, Standard Power Meter, Continuous Light Source, Video Inspection Probe

PRECISION RATED OPTICS

OFT-CWDM Series

4 Channel OTDR

PRECISION RATED OPTICS

Manufactured in the USA, the OFT-CWDM-SB and OFT-CWDM-LB are ruggedized, compact OTDRs that are available in a variety of wavelengths, with up to four wavelengths per unit. The standard wavelengths are: 1471, 1491, 1511, 1531nm (SB) and 1551, 1571, 1591, 1611nm (LB). Other wavelength combinations are available upon request.

The OFT-CWDM Series is water, dust and shock resistant, has onboard storage for 500 traces, video inspection capability and a USB port for easy data transfer.

Manufactured, sold, serviced and supported in the USA, the OFT-CWDM Series comes standard with FC/ST and SC connectors, Telcordia software and a 1-year manufacturer's warranty.

- Manufactured in the USA
- Water, Dust and Shock Resistant
- 32 dB Dynamic Range
- Video Inspection Capability
- USB Flash Drive Port and Mini USB/PC Port

Power Meter

Detector Type	InGaAs
Connector Types	FC, ST and SC
Dynamic Range	+5 ~ -77dB (CATV: +25 ~ -57dB)
Calibrated Wavelengths	850 ~ 1625 nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Accuracy	± 0.18 dB under reference conditions, ± 0.25 dB from 0 ~ -65 dBm ± 0.35 dB from 0 ~ +5 dBm and from -65 ~ -77 dBm
Power input Range	+5 ~ -77dBm

Light Source

Fiber Type	Singlemode
Wavelengths	1471/1491/1511/1531nm ±3nm or 1551/1571/1591/1611nm ±3nm
Output Power	0 dBm (-3dBm @ 1625nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1,000 Hz, 2000 Hz

Visual Fault Locator

Emitter Type	Laser
Wavelength	650nm ±5nm
Laser Safety Class	Class IIFDA21 CFR1040.10 & 1040.11 IEC 825-1: 1993
Connector Type	2.5mm Universal
Output Power	1mW Max.

OFT-CWDM Series Standard Package Includes:

Universal AC/DC Power Adapter/Charger w/US, UK, Continental Europe, and Australian Plugs, Interchangeable FC, ST and SC Adapters, Windows/Telcordia SR4731 Software, Soft Carrying Case

SPECIFICATIONS

Item / Model No.	OFT-CWDM-SB	OFT-CWDM-LB
Wavelength Range	1471/1491/1511/ 1531nm (±3nm)	1551/1571/1591/ 1611nm (±3nm)
Dynamic Range	32dB	
Pulse Width	5 to 20,000 ns	
Units of Measurement	km, kf, mi	
Event Dead Zone	1m	
Attenuation Dead Zone	4m	
Resolution	.125 ~ 32m	
Full Scale Distance Range	1-64km (MM) , 1-240km (SM)	
Typical Real-time Refresh Rate	2 Hz	
Group Index of Refraction (GIR)	1.024 ~ 2.048	
Linearity	± .05 dB/dB	
Memory Capacity	500 Traces	
Power Supply	Universal AC/DC / Charger	
Battery	Rechargeable NiMH (>8 hrs. Operating Time)	
Battery Capacity	>8 hrs	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)	
Weight	2 lb (907 g)	
Warranty	Standard 1-Year Manufacturer Warranty	

Ordering Information

OFT-CWDM-SB	1471, 1491, 1511, 1531nm CWDM Wavelengths
OFT-CWDM-LB	1551, 1571, 1591, 1611nm CWDM Wavelengths

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

HCC-CW-201A

CWDM/10CH Analyzer

- 10 Channel Wavelength Testing: 1431nm ~ 1611nm
- Compact, Ruggedized Design
- "Histogram" and "List Data" Display Modes
- Can Also Function as a Power Meter
- Data Transfer via USB

Three Modes of Operation:

Histogram Mode

- X Axis: Channels 1~10 from 1431nm ~ 1611nm.
- Y Axis: Value (dBm).

List Mode

- 10-Channel List
- Units of Measurement: mW/uW/dBm/dB (REF)
- **RED** Indicate Failure

General Power Meter mode

- Six Wavelengths: 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
- Units of Measurement: mW/uW/nW/dBm/dB (REF)

HCC-CW-201A Standard Package Includes:

CWDM Analyzer, NiMH Battery, AC Adaptor, USB Cable, Software CD, Calibration Certification, User Manual, Carrying Case

Ordering Information

HCC-CW-201A	10 Channel CWDM Channel Analyzer

The HCC-CW-201A handheld, CWDM 10-Channel Analyzer is specially designed for CWDM installation, maintenance and troubleshooting.

The HCC-CW-201A handheld, CWDM 10-Channel Analyzer simultaneously measures 10 CWDM channels in the 1431-1611nm range, and can also function as a power meter. The user can choose between "Histogram" and "List Data" modes.

The HCC-CW-201A can replace high-cost spectrometers and conduct quick, reliable measurements in any work environment. The compact, ruggedized design is backed by a 3-year manufacturer's warranty and includes data management software and a carrying case.

SPECIFICATIONS

Wavelength (nm)	1431 ~ 1611
Power Range (dBm)	-40 ~ +10
Channel Number	10
Channel Spacing	20nm
Central Wavelength	ITU
Channel Band-pass	ITU ±6.5nm
Channel Power Resolution	±0.01 dB
Channel Power Accuracy	±0.5 dB
Maximum Input Power	13 dBm
Return Loss	>45 dB
Close Channels Insulation	≥25 dB
Non=close Channels Insulation	≥30 dB
Units of Measurement	mW/uW/dB (REF)
Data Storage	1,000 Operations
Connector	FC/PC (Interchangeable SC, ST)
Warranty	Standard 3-Years Manufacturer Warranty

Power Meter

Calibrated Wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625nm
Power Range (dBm)	-60 ~ +10
Unit	mW/uW/nW/dBm/dB (REF)
Resolution	±0.25 dB (5%) @ 25°C

General

Power Supply	NiMH Rechargeable Battery / AC Adaptor
Battery Capacity	Continuous Operation ≥10 Hours
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Environmental Conditions	0 ~ 95% (Humidity)
Weight & Dimensions (HxWxD)	7.5" x 4" x 2" / 1.5 lb (191 x 102 x 51 mm / 680 g)

PRECISION RATED OPTICS

OFT-18-CWDM

18-Channel Analyzer

The OFT-18-CWDM 18-Channel Analyzer displays a full scan of the 18 channels on the ITU grid twice per second. The on screen interface is intuitive, and allows the user instant access to all functions.

With its "One-Button Auto-Test" feature, and a full set of selectable scale limits and thresholds, the PRO CWDM makes zeroing in on channel measurements incredibly easy.

Manufactured, sold, serviced and supported in the USA, the OFT-18-CWDM Channel Analyzer comes standard with FC and SC adapters, Windows-compatible software and a 1-year manufacturer's warranty.

- Manufactured in the USA
- Pass/Fail Thresholds and Drift Statistics
- Auto-Test Zooms in on Active Channels
- Stores 1,000 Test Results
- USB/PC Ports

OFT-CWDM 18-Channel Analyzer Standard Package Includes:

Channel Analyzer, Universal Power Supply with Mains for US, UK, CE and AU. Interchangeable FC and SC Adapters, Windows-Compatible Software, USB Cable, Rubber Boot and User Manual

Ordering Information

OFT-18-CWDM	18-Channel CWDM Channel Analyzer w/VIP Port

SPECIFICATIONS

Wavelength Range	1271~1611nm
Channel Spacing	20nm
Channel λ Accuracy	1.0nm
Channel Pass Band	±6.5nm
Channel Power Range	+5dBm ~ -50dBm
Max Composite Power	+23dBm
Polarization Dependent Loss	±0.2dB
Adjacent Channel Isolation	30dB
Return Loss	>40dB
Battery	Rechargeable NiMH (8 Hours Operating Time)
Weight & Dimensions (HxWxD)	7.75" x 4.5" x 2.25" / 2 lb (197 x 114 x 57 mm / 907 g)
Warranty	Standard 1-Year Manufacturer Warranty

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

OFT-DWDM2 Series

Channel Analyzer

The OFT-DWDM2 Optical Channel Analyzer is the most rugged and affordable full-featured Mini OSA on the market. It is designed for simple operation and is suited for field or lab use. Available in up to 88 channels for C or L bands, with 50 or 100 GHz channel spacing, it displays a full scan twice per second.

Offering high-end features such as Power Tilt for channel equalization and Gain Tilt to adjust EDFA gain flatness, the OFT-DWDM2 a real workhorse. One-button Auto-Test and a full set of selectable scale limits and thresholds makes zeroing in on channel measurements easy. For flexibility, the channels are selected by either wavelength or frequency and the information is displayed in graph or table mode on a 4" high-brightness color LCD TFT Touchscreen display.

The unit allows users to set Pass/Fail thresholds and can store up to 1,000 test results, which that can be downloaded onto a USB flash drive and documented with the included certification software for fast, easy reporting. The Onboard Help System guides new users through operations and assists in parameter settings. The OFT-DWDM2 Optical Channel Analyzer is housed in a ruggedized metal enclosure with a robust, protective boot.

- Up to 88 Channels
- 50 or 100 GHz
- Solid-State Optics
- 4" Color TFT Touchscreen
- Auto Test Zooms in on Active Channels

OFT-DWDM2 Standard Package Includes:

Channel Analyzer, Universal AC/DC Power Supply/Charger with Adaptors for US, UK, CE and AU. Interchangeable FC and SC Adaptors, Windows-Compatible Software, USB Cable, Manual, Rubber Boot and Carrying Case

Ordering Information

OFT-DWDM2-CB	C-Band 1530.40 - 1565.10nm (196.9 - 191.55 THz)
OFT-DWDM2-LB	L-Band 1570.42 - 1607.04nm (190.9 - 186.55 THz)

SPECIFICATIONS

Item / Model No.	OFT-DWDM2-CB	OFT-DWDM2-LB
Wavelength Range	C-Band 1530.40 - 1565.10nm (196.9 - 191.55 THz)	L-Band 1570.42 - 1607.04nm (190.9 - 186.55 THz)
Channel Spacing	50GHz, 100GHz	
Wavelength Accuracy	±0.1nm	
Channel Power Range	+10dBm ~ -50dBm	
Absolute Accuracy	±1 dB	
Max Composite Power	+28 dBm	
Polarization Dependent Loss	±0.15dB	
Optical Rejection Ratio	40dBc (@50GHz)	
Measurement Time	< 1/2 Second	
Readout Resolution	0.01dB	
Return Loss	>40dB	
Optical Interface	Universal UPC (FC/SC)	
Graphical Display	Bar Graph and Table View	
Display	4" Color TFT Touchscreen	
Battery	Rechargeable NiMH (4 hours Operating Time)	
Power	100-240V Universal US, GB, EU, AU Mains	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Weight & Dimensions (HxWxD)	7.62" x 3.88" x 1.56" (194 x 99 x 40 mm)	
Warranty	Standard 1-Year Manufacturer Warranty	

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PRO® Go-Kit

Everything you need — in a backpack!

This is no ordinary backpack. PRO Go-Kits are housed in backpacks designed and manufactured by the world-renowned Pelican Case company. Water resistant, lightweight and practical, they feature a lifetime guarantee, and can safely store and transport all of your test equipment, hand tools and cleaning supplies. There's even a special hard-shelled compartment to accommodate up to a 17" laptop!

Each Go-Kit has been configured with a rugged ultra-reliable Fusion Splicer, along with an OBL, OFL or OTDR to best suit every application and budget. As always if you don't see what you need, give us a call and let the experts at PRO design a kit that best fits your exact needs.

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Contractor Kit

Fiber optic contractors often need a wide assortment of equipment and supplies to get the job done. That's where PRO's Contractor Go-Kit becomes more than just convenient – it becomes essential. Everything a contractor needs to inspect, diagnose, repair and test fiber optic networks is contained in the water-resistant backpack, including a hard-shell enclosure for up to a 17" laptop!

GOK-CON-K1	
OFS-935C	OFS-936S Core Alignment Fusion Splicer
OFT-301C	PRO OFT-301B OTDR 1310/1550 38/36dB
LS-102D	LS-102D Light Source (1310/1550) Fixed
PM-102B	PM-102B Power Meter (-40 to +23)
OFI-30	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
VIP-35-DATA	3.5" VIP kit w/ Data Storage
PS-S-1KM-CUCU-1	Launch Box SM9 1KM SC/UPC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

GOK-CON-K2	
OFS-935C	OFS-936S Core Alignment Fusion Splicer
PRO-5350-TS-D40	PRO-5350 OTDR 1310/1550 40/38 PM/LS/VFL
LS-102D	LS-102D Light Source (1310/1550) Fixed
PM-102B	PM-102B Power Meter (-40 to +23)
OFI-30	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
PRO-5350-VIP	PRO-5350 Video Inspection Scope
PS-S-1KM-CUCU-1	Launch Box SM9 1KM SC/UPC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

Emergency Response Kit

Hurricanes, tornados, earthquakes or any other disaster can instantly disable fiber communication. Fiber optic repair crews often need to get into areas inaccessible by vehicle, and need a wide assortment of equipment and supplies to get the job done. That's where PRO's Emergency Response Go-Kit becomes more than just convenient - it becomes essential.

Everything a technician needs to inspect, diagnose, repair and test fiber optic networks is contained in the ERK water-resistant backpack, including a hard-shell enclosure for up to a 17" laptop!

GOK-ERK-K1	
PRO-790	PRO-790 Fusion Splicer
OBL-201A	Optical Break Locator (w/VFL)
LS-102D	LS-102D Light Source (1310/1550) Fixed
PM-102B	PM-102B Power Meter (-40 to +23)
OFI-30	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
VIP-35-DATA	3.5" VIP kit w/ Data Storage
PS-S-1KM-CUCU-1	Launch Box SM9 1KM SC/UPC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

GOK-ERK-K2	
PRO-790	PRO-790 Fusion Splicer
OFL-301B	Optical Fault Locator 1310/1550 24/24dB
LS-102D	LS-102D Light Source (1310/1550) Fixed
PM-102B	PM-102B Power Meter (-40 to +23)
VIP-35-DATA	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
OFI-30	3.5" VIP kit w/ Data Storage
PS-S-1KM-CUCU-1	Launch Box SM9 1KM SC/UPC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

Fiber to the Home Kit

Both economical and fully-featured, this Go-Kit includes all of the standard fiber testing equipment, plus the PRO-790 Fusion Splicer and the PRO PON-301B. A true workhorse, the PRO 790 has an 8-second splice time, 35-second heating time and a Lithium-Ion battery. With enough battery capacity to complete over 120 splicing operations, you can splice all day long!

GOK-FTTX-K1

PRO-790	PRO-790 Fusion Splicer
PON-301B	Triple-Play PON Meter 1310/1490/1550
FTP-1S3A-PSF	PRO OTDR SM 1310/1490/1550 PM/SLS/VFL
LS-202X	LS-202X Light Source 1310/1490/1550/1625
PM-102B	PM-102B Power Meter (-40 to +23)
OFI-30	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
VIP-35-DATA	3.5" VIP kit w/ Data Storage
PS-S-1KM-CUCU-1	Launch Box SM9 1KM SC/UPC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

Data Center Kit

Designed specifically for data centers, this Go-Kit is centered around the newly introduced, compact OFS-936R Ribbon Fusion Splicer and the OLM-302A Optical Loss MPO Test Set. With this kit, you will able to clean, splice and test quickly and effectively — all within the data center. The CS-MPO Quick Click™ provides rapid cleaning of MPO transceivers and connectors.

GOK-DAT-K1

OFS-936R	OFS-936R Ribbon Fusion Splicer
OLM-302A	OLM-302A Optical Loss MPO Test Set
OFI-30	OFI-30 Fiber Identifier -50~+0dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
VIP-45-MPO-K1	Video Inspection Scope w/ MPO Inspect Tip
CS-MPO	PRO CS-MPO Quick Click™ MPO Connector
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
GOK-ACC-STD	Go-Kit Standard Accessories

Outside Plant Kit

The Outside Plant Go-Kit is packed full of outside plant tools, strippers, cutters and more. With the addition of the OBL-201A, you'll be able to locate breaks quickly and easily, saving time and decreasing Mean Time to Repair (MTTR). What's more it's economically priced so you can get more technicians equipped within your budget!

GOK-OSP-K1

OBL-201A	Optical Break Locator (w/VFL)
OFI-30-HP	OFI-30-HP High Power -30~+24dBm
VFL-5	PRO Mini Visual Fault Locator 1mw
UNA-FC/UPC-125U	Adapter Universal FC/UPC 2.5mm to 1.25mm
FS-C81	PRO High Precision Fiber Optic Cleaver
PRO-MS-001-12	PRO MECH Splice – 12 pack
PS-S-500-CACU-1	Launch Box SM9 500M SC/APC-SC/UPC
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack
PRO-CK-CLEAN-01	PRO Cleaning kit w/Quick Clicks
GOK-ACC-OSP	Go-Kit OSP Accessories

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Email: Sales@PrecisionRatedOptics.com

Distributed Antenna System Kit

GOK-DAS-K1

VIP-45-K1	Video Inspection Probe Kit 1
PM-204B	PRO Power Meter (-50~+26) w/Data Storage
LS-201Q	LS-201Q Light Source 850/1300/1310/1550
VFL-5	PRO Mini Visual Fault Locator 1mw
PS-S-CLUCU01F	LC/UPC-SC/UPC PC Simplex SM9 2mm 1M
PC-S-ACUCU01F	SC/UPC-SC/UPC PC Simplex SM9 3mm 1M
PC-M-CLUCU01F	LC/UPC-SC/UPC PC Simplex MM62 2mm 1M
PC-M-ACUCU01F	SC/UPC - Simplex (62.5um) - 1 meter
PC-N-CLUCU01F	LC/UPC-SC/UPC PC Simplex M50 2mm 1M
PC-N-ACUCU01F	SC/UPC-SC/UPC CA Simplex M50 3mm 1M
CA-S-SC-S6SPZ	Mating Sleeve SC/UPC SM Simplex (Z)
CA-S-LC-S6DPZ	Mating Sleeve LC/UPC SM Duplex (Z)
CA-S-SC-M6SPB	Mating Sleeve SC/UPC MM Simplex (PB)
CA-S-LC-M6DPB	Mating Sleeve LC/UPC MM Duplex (PB)
AC-WETDRY1	American Poly Water Aqua Clean Wipes
CS-125	PRO CS-125 Quick Click - 1.25mm (LC)
CS-250	PRO CS-250 Quick Click - 2.5mm SC,FC,ST
PRO-CT-001	Fiber Optic Cleaning Cassette
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack

GOK-DAS-K2

VIP-45-K1	Video Inspection Probe Kit 1
PM-204B	PRO Power Meter (-50~+26) w/Data Storage
LS-201Q	LS-201Q Light Source 850/1300/1310/1550
PMA-2FC-LC/PC	PRO Adapter For OPM/OLS FC/PC - LC/PC
PS-S-CLUCU01F	LC/UPC-SC/UPC PC Simplex SM9 2mm 1M
PC-S-ACUCU01F	SC/UPC-SC/UPC PC Simplex SM9 3mm 1M
PC-N-CLUCU01F	LC/UPC-SC/UPC PC Simplex M50 2mm 1M
PC-N-ACUCU01F	SC/UPC-SC/UPC CA Simplex M50 3mm 1M
CA-S-SC-S6SPZ	Mating Sleeve SC/UPC SM Simplex (Z)
CA-S-LC-S6DPZ	Mating Sleeve LC/UPC SM Duplex (Z)
CA-S-SC-M6SPB	Mating Sleeve SC/UPC MM Simplex (PB)
CA-S-LC-M6DPB	Mating Sleeve LC/UPC MM Duplex (PB)
PRO-LFW-100	PRO-LFW-100 Lint-free Wipe (100ct.)
PRO-CC-QC	PRO-CC-QC Connector Cleaner - Pump Spray
PRO-CT2-002-01	PRO Cleaning Stick Wrapped 2.5mm 100(P)
PRO-CT2-002-02	PRO Cleaning Stick Wrapped 1.25mm 100(P)
CS-125	PRO CS-125 QuickClick - 1.25mm (LC)
GOK-ERBKPKLTOP	Pelican S130 Sport Elite Laptop Backpack

Go-Kit Standard Accessories (GOK-ACC-STD)

Cleaning Supplies & Tools

PRO-TC1	*SqueekyKleen Telcom Cleaner Satur. Wipes*
CS-125	*PRO Cleaning Stick - 1.25mm (LC)*
CS-250	*PRO Cleaning Stick - 2.5mm (SC)*
PC-S-ACUCU01F	*SC/UPC - Simplex (9um) - 1 meter*
PC-S-ACACU01F	*SC/APC-SC/UPC PC Simplex SM9 3mm 1M*
PC-S-AFUCU01F	*FC-SC Simplex SM UPC Patchcord 1 Meter*
CA-S-SC-S5SPZ	*SC/UPC - SC/UPC Adapter*
CA-S-SC-A5SPZ	*Mating Sleeve SCAPC SM, Flanged Simplex*
PRO-SS-60	*Splice Sleeve: 60mm Clear*

JIC-186	*Kevlar Shears*
80785	*Mid Span Access Tool*
PRO-CT-001	*Cassette Cleaner*
PRO-CW175	*Fiber Optic Clean Wipes*
PRO-FSC-200	*Fiber Scrap Container*
PRO-FCL2	*Spray Connector Cleaner*
PRO-0008	*Electrical Tape*
CST-1900	*Round Cable Stripper*
SMART-STRIP	*Buffer Tube Stripper*

UTKNF	*Utility Knife*
SRIP	*Seam Ripper*
KN-7	*Ergonomic Cable Splicing Knife*
PRO-AASA	*Stainless Steel Tweezers*
JIC-375	*Tri Hole Strippers*
SHARPIE-BK	*Sharpie Marker Black*
PRO-METL Bag	*Tool Bag*

Go-Kit Outside Plant Accessories (GOK-ACC-OSP)

Cleaning Supplies & Tools

PRO-BAG-LARGE	*12" x 10" x 11" Black Canvas Bag Large*
ACS	*Armored Cable Slitter*
CST-1900	*Round Cable Slitter*
JIC-63050	*High Leverage Cable Cutters*
IFO-1520	*"OSP" Fiber Optic Buffer Stripper*
KN-7	*Ergonomic Cable Splicing Knife*
ND-631	*Hollow Shaft Nut Driver Set*
RMC-6	*Measurement Scale 6" (150mm)*
JIC-186	*Kevlar Shears*

90785	*Mid Span Access Tool*
PRO-0008	*Electrical Tape*
10-099H	*Utility Knife*
SMART-STRIP	*Buffer Tube Stripper*
JIC-375	*Tri Hole Strippers*
PRO-SS-60	*Splice Sleeve: 60mm Clear*
PRO-CABLERAIDER	*PRO Fiber Cable Outside Jacket Remover*
HTC-1	*Grime-Away(TM) presat. 8" x 12" wipe*
HTC-D72	*American Polywater Grime-Away 10x12 Wipe*

Optical Loss *Test Sets*

PRECISION RATED OPTICS

Go-Kit™

- Semi-Rigid Carrying Case
- Power Meter (Six Wavelength)
- Light Source
- 400x Fiber Inspection Scope
- Cleaning Supplies

Precision Rated Optics has developed Optical Loss Go-Kits designed for specific markets within the communications industry. With new advanced capabilities that make testing simple, PRO Optical Loss Go-Kits are the best "go-to" kits for anyone involved in first-line optical fiber cabling installation and verification.

Whether you are a fiber technician or contractor, our expertly configured kits contain all the tools necessary to quickly measure loss, power levels, inspect and clean connector end-faces. Features including both SM and MM testing capabilities along with Test Cables and SC, ST, FC and universal adapters in a semi-rigid carrying case make PRO the best fiber test kit on the market.

Ordering Information

GOK-OLS-K1	Go-Kit: Optical Loss Kit #1 (SM)

Includes: (1) LS-102D Light Source (1310/1550nm) fixed, (1) PM-102B Power Meter (-40~+23), (1) VFL-5 PRO Mini Visual Fault Locator 1mW, (1) HM-C400S Fiber Optic Inspection Scope (400x), (2) SC-SC SM9 3mm Simplex SM UPC Patchcord 1 Meter, (2) LC-SC 2mm Simplex SM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC SM Simplex (Z), (1) Mating Sleeve LC/UPC SM Duplex (Z), (1) Semi-rigid carrying case

Ordering Information

GOK-OLS-K2	Go-Kit: Optical Loss Kit #2 (SM w/ Data Log)

Includes: (1) LS-102D Light Source (1310/1550nm) fixed, (1) PM-204B Power Meter (-50~+26 w/Data Storage), (1) VFL-5 PRO Mini Visual Fault Locator 1mW, (1) HM-C400S Fiber Optic Inspection Scope (400x), (2) SC-SC SM9 3mm Simplex SM UPC Patchcord 1 Meter, (2) LC-SC 2mm Simplex SM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC SM Simplex (Z), (2) Mating Sleeve LC/UPC SM Duplex (Z), (1) Semi-rigid carrying case

Ordering Information

GOK-OLS-K3	Go-Kit: Optical Loss Kit #3 (SM & MM)

Includes: (1) LS-201Q Light Source (850/1300/1310/1550nm), (1) PM-102B Power Meter (-40~+23), (1) VFL-5 PRO Mini Visual Fault Locator 1mW, (1) HM-C400S Fiber Optic Inspection Scope (400x), (2) SC-SC SM9 3mm Simplex SM UPC Patchcord 1 Meter, (2) LC-SC 2mm Simplex SM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC SM Simplex (Z), (2) Mating Sleeve LC/UPC SM Duplex (Z), (2) SC-SC 62.5um Simplex MM UPC Patchcord 1 Meter, (2) LC-SC 62.5um Simplex MM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC MM Simplex (PB), (2) Mating Sleeve LC/UPC MM Duplex (PB), (1) Semi-rigid carrying case

Ordering Information

GOK-OLS-K4	Go-Kit: Optical Loss Kit #4 (SM & MM w/ Data Log)

Includes: (1) LS-201Q Light Source (850/1300/1310/1550nm), (1) PM-204B Power Meter (-50~+26 w/Data Storage), (1) VFL-5 PRO Mini Visual Fault Locator 1mW, (1) HM-C400S Fiber Optic Inspection Scope (400x), (2) SC-SC SM9 3mm Simplex SM UPC Patchcord 1 Meter, (2) LC-SC 2mm Simplex SM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC SM Simplex (Z), (2) Mating Sleeve LC/UPC SM Duplex (Z), (2) SC-SC 62.5um Simplex MM UPC Patchcord 1 Meter, (2) LC-SC 62.5um Simplex MM UPC Patchcord 1 Meter, (2) Mating Sleeve SC/UPC MM Simplex (PB), (2) Mating Sleeve LC/UPC MM Duplex (PB), (1) Semi-rigid carrying case

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100 Series Light Sources

LS-102D Light Source

- Easy-to-Use, Straight-Forward Operation
- Automatically Detects Light Wavelength
- Backlit LCD
- Ruggedized Design
- Sold, Serviced and Supported in the USA

100 Series Light Sources Standard Package Includes:
SC/UPC Connector (built-in), User Manual, AC/DC Power Adapter, Calibration Report, Lithium-ion Battery, Soft Carrying Case

*APC available upon request

Ordering Information

LS-102D	LS-102D Light Source (1310/1550) (SM)
LS-103D	LS-103D Light Source (850/1300) (MM)

The LS-102D Light Source (1310nm/1550nm) offers excellent stability and portability for accurate fiber optic testing in connection with an optical power meter. Used together, this is called an OLTS (Optical Loss Test Set). The single output port on the LS-102D provides stable light power at both wavelengths (1310nm and 1550nm).

The LS-102D Light Source can operate in either Continuous Wave (CW) mode for testing or in Modulated Mode (Hz), which can be used to verify the signal being transmitted, similar to a tone generator for those familiar with copper wire testing. A "Low-Battery" indicator reminds the user to recharge the battery and the unit's light weight, smaller size and ergonomic shape have been extremely well-received by technicians at every level.

The LS-102D comes standard with a SC/UPC connector port, as well as a standard 3-Year warranty, rechargeable Li-ion battery, AC/DC Adapter/Charger and soft carrying case.

The LS-103D works like the LS-102D, but is built for multimode.

SPECIFICATIONS

Item / Model No.	LS-102D	LS-103D
Output Wavelength (nm)	1310 & 1550	850 & 1300
Central Wavelength	1310 ± 20nm & 1550 ± 20nm	850 ± 10nm & 1300 ± 20nm
Connector*	SC/UPC	SC/UPC
Emitter Type	LD	
Output Stability	Short-Term (15 minutes): <0.1dB; Long-Term (5 Hours or more): <0.2dB	
Spectral Width	5 nm	
Output Frequency (Hz)	270, 1000, 2000	
Output Power	- 5 dBm	
Power Supply	Lithium-ion Battery, 5V AC/DC Adapter	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Weight & Dimensions (HxWxD)	4.5" x 2.5" x 1.8" / 4.9 oz (115 x 65 x 30 mm / 140 g)	
Warranty	Standard 3-Years Manufacturer Warranty	

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200 Series

Dual Light Sources

LS-202D Light Source

The 200 Series Dual Light Source offers excellent stability and portability for accurate fiber optic testing. Dual output ports provide stable laser power at 1310 and 1550nm wavelengths and can operate in either continuous wave (CW) mode or Modulated Mode (Hz).

Designed with the technician in mind, output power is instantly adjustable from the keypad. A convenient "Low Battery" indicator reminds the user to recharge the battery, while the lightweight, compact, ruggedized case of the LS-202D delivers rock-solid reliability under all working conditions.

The 200 Series Dual Light Source comes standard with a 2.5mm port and FC/UPC, SC/UPC, ST/UPC connectors, a 3-Year manufacturer warranty .

The LS-203DF works like the LS-202D but with multimode 850/1300.

- Easy-to-Use, Straightforward Operation
- Backlit LCD
- Rechargeable Batteries Included
- 3-year Warranty and Recommended Calibration Interval
- Sold, Serviced and Supported in the USA

200 Series Dual Light Source Standard Package Includes:

FC/UPC, SC/UPC, ST/UPC Interchangeable Connectors, User Manual, Worldwide-Compatible AC/DC Power Adapter, Rechargeable Battery (x2), Calibration Report, Soft Carrying Case

Ordering Information

LS-202D	LS-202D Dual Light Source (1310/1550) SM
LS-203DF	LS-203DF Dual Light Source (852/1300) MM

SPECIFICATIONS

Item / Model No.	LS-202D	LS-203DF
Output Wavelength (nm)	1310 / 1550	850/1300
Central Wavelengths (nm)	1310/1550 ±20nm	850/1300 ±120nm
Adjustable Range	N/A	± 3 dB, 0.1 dB/step
Emitter Type	LD	
Connector	FC/UPC, SC/UPC, ST/UPC (Interchangeable) (APC is Available Upon Request)	
Output Stability	Short-Term (15 min.): < ±0.05dB @ 1310,1550nm Long Term (>8 Hours): < ±0.1dB @ 1310,1550nm	
Spectral Width	3 nm	
Output Frequency (Hz)	270 / 1,000 / 2000	
Output Power	±0.5 dB	
Power Supply	2500mAh Ni-MH AA (x2), AC/DC Power Supply	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Weight & Dimensions (HxWxD)	6.3" x 3" x 1.8" / 9.5 oz (160 x 76 x 45 mm / 270 g)	
Warranty	Standard 3-Years Manufacturer Warranty	

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200 Series

Quad Light Sources

LS-201Q Light Source

The LS-200 series offers excellent stability and portability for accurate fiber optic testing. Dual output ports provide stable output power at four common wavelengths, including 850nm, 1300nm, 1310nm, 1550nm (201Q) and 1310nm, 1490nm, 1550nm, 1625nm (202X). This compact unit will operate in either Continuous Wave (CW) mode or Modulated Mode (Hz).

Designed with the technician in mind, the output power is instantly adjustable from the keypad. A convenient "Low-Battery" indicator reminds the user to recharge the battery, while the light weight and smaller size of the LS-200 series delivers rock-solid reliability under all working conditions.

The LS-200 series is sold, serviced and supported in the USA and comes with a standard 3-Year warranty (extended warranty available), interchangeable connectors and a soft carrying case.

- "Twin" Function
- Long-Life, Rechargeable Ni-MH Batteries (x2)
- Ruggedized, Ergonomic Design
- Sold, Serviced and Supported in the USA

OPTIONS Available:

- Connector Interfaces: FC/APC SC/APC ST/APC (Must be specified when ordering)

200 Quad Series Light Sources Standard Package Includes:

Light Source, FC/PC, SC/PC, ST/PC Connector Adapters, User Manual, AC/DC Charger, Batteries (x2), Test Report, Soft Carrying Case.

Ordering Information

LS-201Q	Quad Light Source (850/1300/1310/1550)
LS-202X	LS-202X Light Source (1310/1490/1550/1625)

SPECIFICATIONS

Item / Model No.	LS-201Q	LS-202X
Output wavelength (nm)	850/1300/1310/ 1550 (MM/SM)	1310/1490/ 1550/1625 (SM)
Emitter Type	LD	
Connector	SC/UPC, FC/UPC, ST/UPC	
Output stability	Short-Term (15 min) <±0.05dB @ 1310nm/1550nm / ±0.1dB @ 850nm/1300nm Long-Term (>8 Hours) <±0.1dB @ 1310nm/1550nm / ±0.2dB @ 850nm/1300nm	
Central Wavelength	± 20nm	
Spectral Width	5nm	
Output Frequency (Hz)	270 / 1,000 / 2,000	
Output Power	-5 dBm	
Auto Power Off	Yes	
Backlight	Yes	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Power Supply	2500mAh Ni-MH AA (x2)	
Weight & Dimensions (HxWxD)	6.3" x 3" x 1.7" / 9.5 oz (160 x 76 x 45 mm / 270 g)	
Warranty	Standard 3-Years Manufacturer Warranty	

100 Series Power Meters

PM-102A Power Meter

The PM-100 Series works in conjunction with a Light Source, and has a measuring range of -60 ~ +3dB (PM-102A), -40dB ~ +23dB (PM-102B), detecting the light wavelengths at 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm. Ruggedized, lightweight and reliable, the PM-100 Series packs a lot of power into a reasonably-priced, easy-to-use unit.

A convenient "Low Battery" indicator reminds the user to recharge the battery, while the compact size of the PM-100 Series delivers outstanding usability, typically only found on higher-priced units.

Sold, serviced and supported in the USA, the PM-100 Series comes standard with FC/PC, SC/PC, ST/PC connector interfaces as well as a standard 3-Year warranty, rechargeable Lithium-Ion battery, AC/DC adapter/charger and soft carrying case.

- High Performance Optical Detector
- Lower Power Consumption
- Rechargeable Lithium-Ion Battery
- 3-year Warranty and Recommended Calibration Interval
- Sold, Serviced and Supported in the USA

100 Series Power Meters Standard Package Includes:

Power Meter, User Manual, AC/DC Power Adaptor, Test Report, Adaptors: FC/PC, SC/PC, ST/PC, Built-in 2.5mm Universal Adaptor, Li-ion Battery, Carrying Case, Screw Driver

Ordering Information

PM-102A	PM-102A Power Meter -60 dBm +/- 3dBm
PM-102B	PM-102B Power Meter -40 dBm +/- 23dBm

SPECIFICATIONS

Item / Model No.	PM-102A	PM-102B
Measuring Range (dBm)	-60 ~ +3	-40 ~ +23
Wavelength (nm)	850/1300/1310/1490/1550/1625	
Connectors	FC/PC, SC/PC, ST/PC	
Detector Type	InGaAs	
Accuracy	+ 0.35 dB (+ 10nW)	
Resolution	0.01dB	
Linearity	+ 5%	
Auto Power-off	Yes	
Backlight	Yes	
Reference Value	Yes	
Power Supply	Li-ion Battery, 5V AC/DC Adaptor	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Warranty	Standard 3-Years Manufacturer Warranty	

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200 Series Power Meters

PM-204A Power Meter

The PM 200 series of Power Meters are both rugged and refined. Operating in all commonly used wavelengths, these well-engineered units have been designed to function in laboratories, LANs, WANs and CATV environments, as well as long-distance optical networks.

The PM 200 series, used in conjunction with our Stabilized Light Sources, allows the user to identify optical fiber, measure optical attenuation, verify continuity and evaluate fiber link transmission quality. The Auto-Wavelength Recognition eliminates the need for communication between technicians and reduces the potential for error.

Sold, serviced and supported in the USA, the PM 200 series comes with a standard 3-Year manufacturer warranty as well as all standard connectors, AC/DC charger and carrying case.

- Easy-to-Use, Straight Forward Operation
- Automatically Detects Light Wavelength
- Backlit LCD
- Ruggedized Design

200 Series Power Meters Standard Package Includes:

Power Meter, FC/UPC,SC/UPC,ST/UPC Interchangeable Connectors, NiMH Batteries (x2), Built-in 2.5mm Universal Adapter, Manual, Software (CD), USB Cable, AC/DC Power Adapter, FC/PC, SC/PC, ST/PC Connectors, Test Report, Soft Carrying Case

Ordering Information

PM-204A	PM-204A Power Meter -70 dBm ~ +10dBm
PM-204B	PM-204B Power Meter -50 dBm ~ +26 dBm

SPECIFICATIONS

Item / Model No.	PM-204A	PM-204B
Accuracy	± 5% ± 1nW	± 5% ± 10nW
Resolution	0.01dB @ -60 ~ +10dBm; 0.1dB @ -70 ~ -60dBm	0.01dB @ -40 ~ +26dBm; 0.1dB @ -50 ~ -40dBm
Measuring Range	-70 ~ +10 (dBm)	-50 ~ +26 (dBm)
Calibrated Wavelength (nm)	850/1300/1310 /1490/1550/1625	
Detector Type	InGaAs	
Linearity	± 5%	
Tone Detection (Hz)	270,1000,2000	
Power Supply	2500mAh NiMH AA Batteries (x2), 6V AC/DC Adapter	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Weight & Dimensions (HxWxD)	6.3" x 3" x 1.8" / 9.5 oz (160 x 76 x 45 mm / 270 g)	
Connectors	FC/PC, SC/PC, ST/PC	
Data Storage	1000 Data Items	
Warranty	Standard 3-Years Manufacturer Warranty	

PM-12 Series *Power Meters*

Small enough to fit in your shirt pocket, the PM-12 Series is a super-compact, ergonomic power meter that has a display range from -70dBm ~ +10dBm (PM-12A), -50dBm ~ +26dBm (PM-12B) (@1550nm) and can measure 850, 1300, 1310, 1490, 1550 and 1625nm wavelengths. The user can choose between "Linear" or "Logarithmic" power displays.

The PM-12, when used in conjunction with any Light Source can accurately measure signal loss in fiber, cable and other passive optical devices, effectively equating to a "Loss Test Set."

Sold, serviced and supported in the USA, the PM-12 comes standard with batteries and a nylon carrying case.

- Fully-Automatic Measuring Range
- Linear and Logarithmic Power Display
- 2.5mm Universal Interface
- Low Power Consumption - Over 100 Working Hours
- Relative Value Measurement Function

PM-12 Series Standard Package Includes:

Power Meter, AAA Batteries (x2), Nylon Wrist Strap, Nylon Carrying Case, Manual

Ordering Information

PM-12A	PM-12A Power Meter -70dBm ~ +10dBm
PM-12B	PM-12B Power Meter -50dBm ~ +26dBm

SPECIFICATIONS

Item / Model No.	PM-12A	PM-12B
Display Range	-70dBm ~ +10dBm @ 1550nm	-50dBm ~ +26dBm @ 1550nm
Accuracy	0.35dB ±10nW	0.35dB ±10nW
Resolution	0.01 dB	
Calibrated Wavelengths	850/1300/1310/1550/1490/1625	
Sensor Type	InGaAs	
Working Wavelength	800 ~ 1700	
Battery Life	230 Hours (3,500 Hours Stand-by)	
Power Source	AAA Batteries (x2)	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Environmental Conditions	0 ~ 90% RH (Humidity)	
Weight & Dimensions (HxWxD)	120mm x 33mm x 30mm 70g	
Warramty	Standard 3-Years Manufacturer Warranty	

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OLM-202 Series

Optical Loss Meter

The OLM-200 Series Optical Loss Meters provide the ultimate in convenience by combining a versatile 850, 1300, 1310, 1490, 1550 and 1625 (nm) Power Meter and a Light Source all in one unit. The OLM-201A and OLM-201B can transmit at 1310nm and 1550nm, while the OLM-202A and OLM- 202B can transmit on 1310nm, 1490nm and 1550nm.

The OLM Power Meter features "Auto Wavelength Recognition", eliminating the possibility of user error by automatically setting itself to the wavelength being transmitted by the other unit. By using a pair of OLM-200 Series Optical Loss Meters, two technicians can test a fiber bi-directionally, without leaving the testing locations, simply by switching their units from Light Source mode to Power Meter mode and vice-versa. Fiber testing has never been easier, faster or more accurate!

Sold, serviced and supported in the USA, the OLM-200 Series is a tool that all technicians and installers should have in their toolbox. The OLM-200 Series comes standard with a 3-Year warranty, data management software, 2.5mm port and FC, SC and ST connectors for UPC (APC also available).

- Perfect for Bi-directional Testing
- Auto Wavelength Recognition
- Modulation for Fiber Identification
- Data Storage up to 999 Items
- USB Interface
- Data Management Software

OLM-200 Series Standard Package Includes:

User Manual, Rechargeable Batteries, Interchangeable FC/SC/ST Connectors (APC Optional), Worldwide-Compatible AC/DC Power Adapter, "Meter Data Manager" Software, USB Cable, Soft Carrying Case

Ordering Information

OLM-201A	1310/1550nm (-70 ~ +10) Optical Loss Tester
OLM-201B	1310/1550nm (-50 ~ +26) Optical Loss Tester
OLM-202A	1310/1490/1550 (-70 ~ +10) Optical Loss Tester
OLM-202B	1310/1490/1550 (-50 ~ +26) Optical Loss Tester

SPECIFICATIONS

Item / Model No.		OLM-201A	OLM-201B	OLM-202A	OLM-202B
Light Source	Output Wavelength (nm)	1310/1550		1310/1490/1550	
	Connector	Interchangeable FC/SC/ST			
	Modulation Frequencies (Hz)	270/1K/2K			
	Output Power (dBm)	-5dBm ± 0.5			
	Stability Long-Term (8h) (dB)	± 0.1@1310/1550nm; ± 0.2@1490nm			
	Stability Short-Term (15min) (dB)	± 0.05@1310/1550nm; ± 0.1@1490nm			
	Wavelength Recognizing Code	Yes			
Power Meter	Measuring Range (dBm)	-70 ~ +10	-50 ~ +26	-70 ~ +10	-50 ~ +26
	Calibrated Wavelength	850/1300/1310/1490/1550/1625 (nm)			
	Connector	Interchangeable FC, SC, ST (APC Optional)			
	Data Storage (items)	999			
	Ref. Value	Yes			
	Display Units	dB / dBm / mW / uW			
	Display Precision (dB)	0.01			
	Accuracy (nW)	± 5% ± 1			
	Wavelength Recognition	1310/1490/1550 (Input Power > -40dBm)			
	Tone Detection	270 Hz / 1KHz / 2KHz (Input Power > -40dBm)			
General Specification	Auto Power Off	Yes			
	Power Supply	2000mAh NiMH 1.2V, (x2), AC/DC Adaptor			
	PC Interface	USB			
	Battery Life	> 100 Hours (Laser Off)			
	Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)			
	Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)			
	Environmental Conditions	< 90% (Humidity, Non-Condensing)			
	Weight & Dimensions (HxWxD)	6.6" x 3" x 1.70" / 11oz (168 x 76 x 43mm / 310g)			
	Warranty	Standard 3-Year Manufacturer Warranty (Extended Warranty Available)			

PRECISION RATED OPTICS

OLM-302A MPO Loss Test Set

PRECISION RATED OPTICS

The OLM-302A MPO Loss Test Set from Precision Rated Optics is a versatile solution that allows technicians to make a precise evaluation of the quality of MPO links. Additionally, this loss test set helps in implementing incoming qualification of MPO components like cassettes and jumpers.

The key elements of this solution include the LS-302A Laser Light Source and PM-302A Optical Power Meter that can be connected directly with one jumper that provides measurement of loss on each of the 12 channels. A breakout MPO to LC or SC cable assembly can be added to test hybrid cables. By testing 12 or more fiber channels simultaneously at the touch of a button, the OLM-302A MPO Loss Test Set is the easiest MPO testing solution available on the market today.

- Rugged Design with Protective Rubber Boot
- Quickly Evaluate MPO Link Quality
- Data Storage for 300 Sets of Records
- Features Tone Detection
- Includes Soft Carrying Case

OLM-302A Standard Package Includes:

OLM-302A MPO Loss Test Set, NiMH Battery, Protective Rubber Boot, USB Data Transfer Cable, PC Software CD, AC/DC Power Adapter/Charger, CE Certificate, Certificate of Calibration, User Manual, Soft Carrying Case

Ordering Information

OLM-302A	OLM-302A MPO Loss Test Set

SPECIFICATIONS

Power Meter	**Calibration wavelength**	850/1300/1310/1550 (nm)
	Channels	12
	Connector Types	MPO / MTP (Female / Male)
	Data Storage	300 Sets
	Display Units	dB / dBm
	Resolution	± 0.01dB
	Uncertainty	± 0.5dB
	Maximum Input Power	+13dBm (Composite)
	Threshold Setting	4 wavelength
	Reference Setting	4 wavelength
	Tone Detection	Yes
	Measuring Range (dBm)	-60 ~ +3
	Polarity Test	According to TIA-568-C.0
	Frequency Recognition (Hz)	270/1K/2K
Light Source	**Output Wavelength (nm)**	850nm
	Channels	12
	Connector	MPO / MTP (Female)
	Modulation Frequencies (Hz)	270/1K/2K
	Spectral Type	VCSEL
General	**Power Supply**	NiMH Rechargeable Battery / AC Adapter
	PC Interface	USB
	Battery Life	≥ 10 Hours
	Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
	Environmental Conditions	0 ~ 95% (Humidity, Non-Condensing)
	Weight & Dimensions (HxWxD)	7.5" x 4.1" x 2.2" / 24.7oz (190 x 105 x 55mm / 700g)
	Warranty	Standard 3-Year Manufacturer Warranty (Extended Warranty Available)

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

OLT-301 Series

Optical Loss Testers

The OLT-301 Series Intelligent Optical Loss Tester is an all-in-one loss tester integrated with a Stabilized Light Source, Optical Power meter, Optical Loss Tester, ORL Tester and Length Testing functions. It can perform automatic bidirectional loss test on single fiber with Pass/Fail assessment. With rich functions, flexible configuration and excellent User friendly design, the OLT-301 Series is the ideal optical loss tester to completely evaluate the optical fiber link condition in FTTx, LAN, and CATV network.

- Optical Power Monitoring
- Automatic Wavelength Identification
- Data Transfer to PC via USB
- High Resolution Color LCD
- 1000 Test Records Storage and Management

OLT-301 Series Standard Package Includes:

OLT-301 Optical Loss Tester, Lithium Battery, AC Adapter/ Charger, USB Cable, Software CD, Soft Carrying Case, Warranty Card, CE Certificate, Certificate of Calibration, User Manual

Ordering Information

OLT-301SM1AR	1310/1550nm, -70~+10 (dBm)
OLT-301SM1BR	1310/1550nm, -50~+27 (dBm)
OLT-301SM2AR	1310/1490/1550nm, -70~+10 (dBm)
OLT-301SM2BR	1310/1490/1550nm, -50~+27 (dBm)
OLT-301SM3AR	1310/1550/1625nm, -70~+10 (dBm)
OLT-301SM3BR	1310/1550/1625nm, -50~+27 (dBm)

SPECIFICATIONS

Item / Model No.		OLT-301
Power Meter	Calibration wavelength (nm)	850 / 1300 / 1310 / 1490 / 1550 / 1625
	Connector Types	FC Interchangable SC, ST
	Data Storage	1000 records
	Display Units	W / mW / μW / nW / pW / dBm / dB(REF)
	Resolution	0.01dB
	Accuracy	±0.5dB @ 850nm
	Detector Type	InGaAs
	Measuring Range (dBm)	-70 ~ +10 or -50 ~ +27
	Frequency Recognition (Hz)	270 / 1K / 2K
Light Source	Output Wavelength (±20nm)	1310 / 1490 / 1550 / 1625
	Output Power	>-4dBm
	Spectrum Width	≤5nm
	Emitter Type	FP-LD
	Output Mode (Hz)	270 /1K / 2K
	Power Stability	±0.05dB / 15min; ±0.10dB / 8hr
Optical Loss Test	Link Loss Range	50dB (1550nm, 200km)
	Link Loss Accuracy	±0.25dB
	Link Loss Test Time	< 2 seconds per wavelength
ORL Test	ORL Range	0~60dB (APC connector)
	ORL Accuracy	±0.75dB @ (0~50dB), ±1.5dB @ (50~60dB)
	ORL Uncertainty	±0.5dB @ 20dB
	Power Supply	Lithium Battery/ AC Adapter
	Data Interface	USB
	Battery Life	Continuous Operation ≥35 hours
	Backlight Display	Yes
	Auto Off	Yes (Auto off after 5 minutes idle)
	Storage Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
	Operating Temperature	-4°F ~ 122°C(-20°C ~ 50°C)
	Environmental Conditions	0 ~ 95% (Humidity, Non-Condensing)
	Weight & Dimensions (HxWxD)	7" x 3.1" x 1.7" / 12.34oz (177 x 80 x 44mm / 350g)
	Warranty	Standard 1-Year Manufacturer Warranty

PRECISION RATED OPTICS

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PON-301B

PON Meter

Rugged, reliable and designed as a "pass-through" device, the PON-301B PON Meter can perform in-service testing of all PON signals (1310/1490/1550nm) from anywhere within the network. The PON-301B also features a "Burst Mode," as well as instantaneous "Pass/Warning/Fail" assessment.

Because the PON-301B is a pass-through device, it can be connected anywhere between the OLT and ONT, enabling all wavelengths to be tested simultaneously, providing no interruption of network services.

Sold, serviced and supported in the USA, the PON-301B comes with a 1-year manufacturer warranty and includes a charger and soft carrying case.

- "Pass-Through" Design
- Instantaneous "Pass/Warning/Fail" Assessment
- Upstream Signal Burst Mode Detection at 1310nm
- Data Storage for 2,000 Records
- User-Defined Threshold Settings
- LCD screen is viewable in sunlight

PON-301B Standard Package Includes:

PON Meter, Lithium-ion Battery, Protective Rubber Boot, USB Data Transfer Cable, PC Software CD, AC/DC Power Adapter/ Charger, CE Certificate, Certificate of Calibration, User Manual, Protective Soft Carrying Case

Ordering Information

PON-301B	Triple-Play PON Meter 1310/1490/1550

SPECIFICATIONS

Calibrated Wavelength	**1310nm**	**1490nm**	**1550nm**
Measurement Range	-40 ~ +10	-40 ~ +12	-40 ~ +20
Spectral Passband (nm)	1310±50	1490±15	1550±10
Power Uncertainty (dB)	≤ 0.5		
Accuracy (dB)	0.01		
Insertion Loss (dB)	≤ 1.5		
Display	Color TFT		
Connectors	FC/PC (Interchangeable SC, ST)		
Data Storage	> 2,000 Records		
Data Interface	USB		
Power Supply	Rechargeable Lithium-ion Battery (1050mAh) AC/DC Power Adapter/Charger Voltage: 110-240 VAC Frequency: 50-60 Hz		
Battery Capacity	≥ 6 Hours		
Operating Temperature	14˚F ~ 140˚F (-10˚C ~ 60˚C)		
Storage Temperature	-13˚F ~ 158˚F (-25˚C ~ 70˚C)		
Environmental Conditions	0 ~ 95% (Humidity, Non-Condensing)		
Waterproof Rating	IP54		
Drop Test	2 meters		
Weight & Dimensions (HxWxD)	6.9" x 3.1" x 1.7" / 12.1oz (177 x 80 x 44mm / 345g)		
Warranty	Standard 1-Year Manufacturer Warranty		

Phone: (888) 545-1254 • Fax: (415) 358-4602
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PON-204B

PON Meter

The PON-204B is intended for FTTH and FTTP systems, the PON-204B is the ideal tool for FTTH/FTTP service activation testing and field application troubleshooting.

Utilized throughout the maintenance phase, the PON-204B can detect various transmission problems such as fiber breaks, damaged or dirty connectors, macro-bends and optical transmitter failure, all of which can cause signal loss and/or degradation.

Sold, serviced and supported in the USA, the PON-204B comes standard with a 3-year manufacturer's warranty, data management software and a carrying case.

- Pass-Through Connection for ONT Signal Measurement
- Simultaneous Measurement of 10 PON Signals
- Filtered Detectors for Individual Measurements of Each Wavelength
- Upstream Burst Detection at 1310nm
- Compact, Ruggedized Design

SPECIFICATIONS

Calibrated Wavelengths	1310nm(Burst Mode)	1490nm	1550nm
Measurement Range	-30dBm ~ +16dBm	-40dBm ~ +16dBm	-50dBm ~ +16dBm
Broadband	1260nm ~ 1360nm	1480nm ~ 1550nm	1539nm ~ 1565nm
Isolation Rate (dB)	>40@1490, >40@1550	>40@1310, >30@1550	>40@1310, >30@1490
Insertion Loss (dB)	1.5dB		
Accuracy (dB)	0.5dB ±1nW @ 1550nm		
Data Storage	900 Records		
Linearity (dB)	± 0.2 @ 1550 >/= -40dBm		
Display Type	2.8" TFT LCD		
Threshold	10 Groups (Configured via PC-based Software)		
Operating Temperature	14° F ~ 122° F (-10° C ~ +50° C)		
Relative Humidity	0% ~ 95%, (Non-Condensing)		
Power Supply	1.2V NiMH AA (x2), 12V AC/DC Adapter		
Battery Capacity	>20 Hours		
Weight & Dimensions (LxWxD)	7.5" x 4.1" x 2.2" / 14.1 oz(190 x 105 x 55mm / 400 g)		
Warranty	Standard 3-Year Manufacturer Warranty		

PON-204B Standard Package Includes:

PON Meter, FC/UPC, SC/UPC, ST/UPC Interchangeable Connectors, Manual, Software CD, USB Cable, Rechargeable Batteries, AC/DC Adapter, Test Report, Carrying Case

Ordering Information

PON-204B	PON Power Meter

PRECISION RATED OPTICS

Visual Fault Locators

PRECISION RATED OPTICS

VFL-1A

The VFL-1A is a well-made, compact, powerful Visible Light Source with three (3) variable output levels including 0 / 3 / 8 dBm. The VFL-1A can be used to locate sharp bends and breaks in jacketed or bare fiber up to 10km in length. It can also be used to identify connectors in patch panels or to identify fibers during splicing operations.

VFL-5

*Includes Carrying Case

The VFL-5 is a compact, powerful Visual Fault Locator with an output power of up to 1mw. The VFL-5 can be used to detect sharp bends and breaks in jacketed or bare fiber. It can also be used to identify connectors in patch panels or to identify fibers during splicing operations.

VFL-10

*Includes Carrying Case

The VFL-10 Visual Fault Locator is a "pen" style, compact, visible Laser Source with a powerful 8dBm output, which can be used to locate sharp bends or breaks in bare or jacketed fiber up to 10km in length. It can also be used to identify connectors in patch panels, or to identify fibers during splicing operations.

SPECIFICATIONS

Item / Model No.	VFL-1A	VFL-10	VFL-5
Wavelength (nm)	650 (±10)	650 (±10)	650 (±10)
Emitter Type	LD	FP, LD	FP, LD
Connector Type	FC/ST/SC	Universal Standard 2.5mm, External 1.25mm Adapter	Universal 2.5 mm
Modulated Frequency (Hz)	2	2 to 3	2
Output Power	0, 3, 8 dBm (Adjustable)	1mW (10mw Optional)	1mW (10mw Optional)
Power Supply	AC/DC Adapter & Li-ion Battery	AA Alkaline Batteries (x2)	AAA Alkaline Batteries (x2)
Battery Life	20 Hours	>15 Hours	> 40 Hours
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	14°F ~ 113°F (-10°C ~ 45°C)	14°F ~ 140°F (-10°C ~ 60°C)
Storage Temperature	-14°F ~ 158°F (-20°C ~ 70°C)	-40°F ~ 158°F (-40°C ~ 70°C)	14°F ~ 158°F (-10°C ~ 70°C)
Environmental Conditions	0 ~ 95% (Humidity)	0 ~ 95% (Humidity)	0 ~ 95% (Humidity)
Weight & Dimension (LxWxH)	4.5" x 2.5" x 1.2" / 5 oz (115 x 65 x 30 mm / 140 g)	7.1" x 0.6" / 4.2 oz (180 x 15 mm / 120 g)	3.9" x 1.2" x 0.7" / 2 oz (100 x 30 x 18 mm/ 60 g)
Warranty	Standard 3-Year Manufacturer Warranty (Extended Warranty Available)	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)

Visual Fault Locator (VFL-1A) Standard Package Includes:

Visual Fault Locator, SC/UPC, ST/UPC, FC/UPC Adapters, User Manual, AC/DC Power Adapter, Test Report, Carrying Case

Ordering Information

VFL-1A	VFL-1A Visual Fault Locator
VFL-10	Pen Style Visual Fault Locator
VFL-10/10	Pen Style Visual Fault Locator (10mW)
VFL-5	VFL-5 Visual Fault Locator
VFL-5/10	VFL-5 Visual Fault Locator (10mW)

Phone: (888) 545-1254 • Fax: (415) 358-4602
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VIP-35 Series

Video Inspection Probe

The VIP-35 Video Inspection Probe is designed to provide customers with the ability to troubleshoot network performance issues (most commonly caused by dirty connectors) by inspecting the end-face of a connector for debris. The VIP-35 includes a 400x inspection probe and a 3.5" TFT Active Matrix display for detection of even the smallest contaminants.

With the included probe tips, the technician has the ability to check the quality of both the cable and bulkhead connectors. The VIP-35 even includes a built-in PAL/NTSC video output, which allows viewing on a full-size external monitor.

Sold serviced and supported in the USA, the VIP-35 comes with a standard 1-year manufacturer's warranty and is an easy-to-use tool that saves time and helps assure optimum signal quality.

- 400x Inspection Probe
- 3.5" TFT Active Matrix Monitor
- Built-in Li-Ion Rechargeable Battery
- FC, SC, ST Bulkhead Adapters, LC Bulkhead Adapter
- 2.5mm Universal Adapter, 1.25mm Universal Adapter

VIP-35-K2 Standard Package Includes:

VIP-35, 400X Inspection Probe and Monitor, AC/DC Charger, FC/SC/ST Bulkhead Adapter, LC Bulkhead Adapter, 2.5mm Universal Adapter, 1.25mm Universal Adapter, Soft Carrying Case

VIP-35-DATA Standard Package Includes:

VIP-35, 400X Inspection Probe and Monitor, AC/DC Charger, FC, SC, ST Bulkhead Adapters, LC Bulkhead Adapter, 2.5mm Universal Adapter, 1.25mm Universal Adapter, USB Data Cable, Soft Carrying Case

Ordering Information

VIP-35-K2	3.5" Video Inspection Kit 2
VIP-35-DATA	3.5" Video Inspection Kit w/ DATA

SPECIFICATIONS

Item / Model No.	VIP-35-K2	VIP-35-DATA
Data Storage	No	Yes
Data Download	No	Yes
Magnification	400X	
Display Size	3.5"	
Dimensions (HxWxD)	5.51" x 3.03" x 1.53"	
Weight	14.1 oz	
Display Type	TFT Active Matrix	
Video Output	PAL / NTSC	
Power	12V DC Built-in Li-ion Rechargeable Battery	
Input Power	110-240VAC Adapter	
Power Supply	AC or DC Operation	
Battery	3 Hours	
Charging	3 Hours	
Operating Temperature	4°F ~ 122°F (-10°C ~ 50°C)	
Connectors	1.25mm, 2.5mm Patchcord Tips	
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)	

VIP-45 Series

Video Inspection Probe

The ergonomically-designed VIP-45 Series Video Inspection Probe connects directly to your PC through the computer's USB 2.0 port. Powered by the USB connection, it features easy single finger focusing, a built-in image freeze/capture button, and detectable resolution to 0.5µm.

The VIP-45 Series Video Inspection Probe includes our standard video capture software, providing image display, image capture, digital zoom, and basic analysis tools. Pass/Fail analysis and reporting features can be added with our optional software upgrade.

- Convenient image capture button
- Digital zoom
- Inspect patchcord and adapter bulkhead connectors
- Optional WiFi Feature

SPECIFICATIONS

	VIP-45-K1	VIP-45-K2	VIP-45-MPO
Inspection Tips	Universal 1.25mm UPC Patchcord tip Universal 2.5mm UPC Patchcord tip SC/FC UPC Bulkhead tip LC UPC Bulkhead tip	Universal 2.5mm APC Patchcord tip SC/FC APC Bulkhead tip	MPO/MTP Bulkhead tip
Field of View	~425µm x 320µm		
Resolution	0.5µm detectable		
Operating Temperature	0°C to 50°C		
Storage Temperature	-20°C to 70°C		
Focus	Manual adjustment, 2mm max travel		
Dimensions	35mm diameter x 175mm length (without tip)		
Light Source	Blue LED		
Power Supply	USB port of PC		
Warranty	Standard 1-Year Manufacturer Warranty		

VIP-45 Series Standard Package Includes:

USB 2.0 digital inspection probe, Specified inspection tips, Soft carrying case, Standard video capture software, CD and manual.

Ordering Information*

VIP-45-K1	Video Inspection Probe w/specified UPC tips
VIP-45-K2	Video Inspection Probe w/specified APC tips
VIP-45-MPO	Video Inspection Probe w/specified MPO tips

*Other Configurations Available Upon Request

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

Fiber Scopes

HM-C200S / C400S

The HM-C200S and the HM-C400S use a high-intensity, white LED and 200x (C200S) and 400x (C400S) magnification to inspect the end-face of a connector or cleaved fiber.

Sold, serviced and supported in the USA, the HM-CS Fiber Scopes come with a 1-year manufacturer's warranty, 1.25mm and 2.5mm adapters and a carrying case.

HM-CL200

The HM-CL200 hand-held fiber microscope with 200x magnification can be used to determine the polish quality of cleaved fiber. It can also be used to detect scratches, contamination and imperfections.

Sold, serviced and supported in the USA, the HM-CL200 comes with a 1-year manufacturer's warranty and a protective case.

SPECIFICATIONS

Item / Model No.	HM-C200S	HM-C400S	HM-CL200
Power Source	AAA Batteries (x3)		AAA Batteries (x2)
Light Source	White LED (Rated for 100,000 Hours)		White LED (Rated for 100,000 Hours)
Weight	1.1 lb (0.5 Kg)		0.88 lb (0.4 Kg)
Dimensions (LxW)	8.76" x 1.25" (225 x 32mm)		7.48" x 1.77" (190 x 45mm)
Controls	Momentary On/Off Switch for Light Source, Fine-Focus Control Wheel		Momentary On/Off Switch for Light Source, Fine-Focus Control Wheel
Safety Filter	Built-in IR Filter		Built-in IR Filter
Adapter Interface	1.25mm and 2.5mm Universal Adapters		1.25mm and 2.5mm Universal Adapters
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)		

HM-C Series Fiber Scopes Standard Package Includes:

Fiber Microscope (200x or 400x), 2.5mm Universal Adapter, 1.25mm, Universal Adapter, User Manual, Travel Case

HM-CL Series Fiber Scopes Standard Package Includes:

Fiber Microscope (200x), 2.5mm Universal Adapter, 1.25mm, Universal Adapter, User Manual, Travel Case

Ordering Information

HM-C200S	200x Fiber Scope
HM-C400S	400x Fiber Scope
HM-CL200	200x Fiber Scope

OFI-11 Optical Fiber Identifier

3-Year Warranty!

The OFI-11 Optical Fiber Identifier is a rugged, easy-to-use installation and maintenance instrument, which can detect low frequency tones at 270Hz, 1kHz and 2kHz. When traffic is present on the fiber under test, an audible tone can be heard. Fiber traffic direction is indicated by sequential LEDs on the probe.

By utilizing local detection technology (non-destructive macrobend detection which does not damage or overstress the fiber) the unit eliminates the need to open the fiber at the splice point for identification, eliminating the probability of interrupting service.

Sold, serviced and supported in the USA, the OFI-11 comes standard with a 3-Year manufacturer's warranty and includes 0.25mm, 0.9mm, 2.0mm and 3.0mm adapters to fit various optical cables.

- Identifies Traffic at 270Hz, 1KHz, 2KHz
- Core-Power Display of the Fibers (-50 ~ +0dBm)
- Very Low Loss (Fiber Attenuation) when Testing is in Process
- Included Adapters: 0.25mm, 0.9mm, 2.0mm and 3.0mm
- Screw-Mounted Plunger Reduces Risk of Fiber Damage

SPECIFICATIONS

Identified Wavelength Range	900 to 1650nm	
Frequencies Detected	(CW) 270Hz (±5%), 1kHz (±5%), 2kHz (±5%)	
Detector Type	InGaAs 2pcs	
Adapter Type	0.25 (Applicable for "Bare" 250 micron fiber) 0.9 (Applicable for 900 micron fiber) 2.0 (Applicable for 2.0mm Cable) 3.0 (Applicable for 3.0mm Cable)	
Signal Direction	Left & Right LED Indicators	
Optical Power Reading	@ 1310nm	-20dBm ~ +11dB (Continuous Wave) -10dBm ~ +11dB (Modulated Signal)
	@ 1550nm	-30dBm ~ +11dB (Modulated Signal) -18dBm ~ +11dB (Continuous Wave)
Signal Frequency	270Hz, 1kHz, 2kHz	
Power Supply	1.5V AA Batteries (x2)	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-14°F ~ 158°F (-20°C ~ 70°C)	
Dimension (LxWxD)	7.95" x 2.4" x 1.4" (202 x 62 x 36 mm)	
Warranty	Standard 3-Year Manufacturer Warranty (Extended Warranty Available)	

OFI-11 Standard Package Includes:

OFI, Adapters (0.25mm, 0.9mm, 2.0mm and 3.0mm), Batteries, User Manual, Soft Carrying Case

Ordering Information

OFI-11	OFI-11 Optical Fiber Identifier

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

OFI-30 Series

Optical Fiber Identifier

The OFI-30 Optical Fiber Identifier is a rugged, all-metal, easy-to-use installation and maintenance instrument, which can detect low frequency tones at 270Hz, 1kHz and 2kHz. When traffic is present on the fiber under test, an audible tone can be heard. Fiber traffic direction is indicated by sequential LEDs on the probe.

By utilizing local detection technology (non-destructive macrobend detection which does not damage or overstress the fiber) the unit eliminates the need to open the fiber at the splice point for identification, eliminating the probability of interrupting service.

Sold, serviced and supported in the USA, the OFI-30 comes standard with a 1-Year manufacturer's warranty and includes 0.25mm, 0.9mm, 2.0mm and 3.0mm to satisfy various optical cables.

- All-Metal Construction.
- Identifies Traffic at 270Hz, 1KHz, 2KHz
- Core-Power Display of the Fibers (-50 ~ +10dBm)
- Very Low-Loss (Fiber Attenuation) when Testing is in Process
- Included Adapters: 0.25mm, 0.9mm, 2.0mm and 3.0mm

SPECIFICATIONS

	OFI-30	OFI-30-HP
Detector Type	InGaAs	ø1mm InGaAs 2pcs
Optical Power Reading	-50 ~ +10dBm	-30 ~ +24(1550nm)
Power Supply	9V Alkaline Battery	2xAAA Batteries
Identified Wavelength Range	800 ~ 1700nm	
Frequencies Detected	(CW) 270Hz (±5%), 1kHz (±5%), 2kHz (±5%)	
Adapter Type	0.25 (Applicable for "Bare" 250 micron fiber) 0.9 (Applicable for 900 micron fiber) 2.0 (Applicable for 2.0mm Cable) 3.0 (Applicable for 3.0mm Cable)	
Signal Direction	Left & Right LED Indicator	
Signal Frequency	270Hz, 1kHz, 2kHz	
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
Storage Temperature	-13°F ~ 158°F (-25°C ~ 70°C)	
Dimensions & Weight	7.6" x 1.1" x 1" / 0.55lb(195 x 30 x 27 mm / 250g)	
Warranty	Standard 1-Year Manufacturer Warranty (Extended Warranty Available)	

OFI-30 Series Standard Package Includes:

Optical Fiber Identifier, Adapters (0.25mm, 0.9mm, 2.0mm and 3.0mm), Batteries, User Manual, Soft Carrying Case

Ordering Information

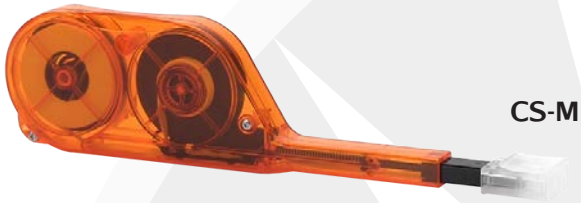
OFI-30	OFI-30 Optical Fiber Identifier
OFI-30-HP	OFI-30 Optical Fiber Identifier High Power

PRECISION RATED OPTICS

Quick Click™ Bulkhead Cleaner

CS-125

CS-250



CS-MPO

- Simple Pushing Motion to Engage Tool
- Audible CLICK to Alert the Operator When The Tool is Fully Engaged
- Dry Cleaning Material Eliminates the Need for Solvents
- Crush-Resistant to Over 250N

SPECIFICATIONS

CS-125	• 800+ Cleanings per Unit • Cleans LC and MU Connectors with PC and APC Polishes • Cleans Connectors Loaded in a Bulkhead Adapter and on Unmasked Cable Assemblies • RoHS Compliant
CS-250	• 800+ Cleanings per Unit • Cleans SC, ST, FC and E2000 Connectors with PC and APC Polishes • Cleans Connectors Loaded in a Bulkhead Adapter and on Unmated Cable Assemblies • RoHS Compliant
CS-MPO	• 600+ Cleanings per Unit • Cleans MPO and MTP Connectors • Cleans Connectors Loaded in an Adapter, Faceplate and Unmated Connector • RoHS Compliant

The PRO CS-125 Quick Click™ is a mechanical cleaning tool designed to clean connectors residing in an adapter, faceplate or unmated connector. The PRO CS-125 can clean LC and MU connectors. The CS-250 can clean SC, ST, FC and E2000 connectors. Both models can accommodate PC and APC polishes. The PRO MPO Bulkhead Cleaner is a mechanical cleaning tool designed to clean MPO/MTP connectors.

A simple pushing motion engages the tool, and a "click" can be heard, which alerts the operator that the tool is fully engaged. Because the CS does not use solvents, cleaning is instantaneous and there are no solvents to replace.

The CS Quick Click™ tools are sold, serviced and supported in the USA, are RoHS compliant, good for over 800 cleaning operations and are impact-resistant to 250N.

Applications

- Telecom Central Offices
- Data Centers
- Cable Television Head-End
- Outside Plant and FTTx
- Fiber to the Antenna for WiMax and Cellular Networks
- Fiber Optic Broadcasting Including HDTV
- Fiber Optic Military and Civilian Aviation
- Military and Civilian Maritime Optical Networks
- Fiber Optic Satellite Communication System

Effective Against Following Contaminates

- Skin Oil Residue
- Salt Water Residue
- Alcohol Residue
- Hand Lotion
- Distilled Water Residue
- Graphite
- T-Shirt Lint

Ordering Information

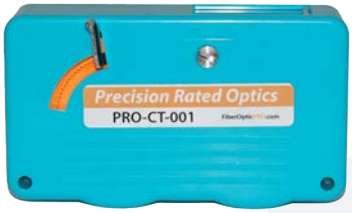
CS-125	1.25mm Quick Click™ Bulkhead Cleaner
CS-250	2.5mm Quick Click™ Bulkhead Cleaner
CS-MPO	MPO Bulkhead Cleaner

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

PRO-CT-001

Fiber Optic Cleaning Cassette

Precision Rated Optics PRO-CT-001 fiber optic cleaning cassette cleans SC, SC2, FC, ST, DIN, D4, MU, LC, MT connectors. More than 500 cleanings per cartridge.



Ordering Information

PRO-CT-001	Fiber Optic Cleaning Cassette
PRO-CT-004	Cassette Cleaner Replacement Reel

PRO-CC-AQ/QC

Fiber Optic Cleaner

The PRO-CC Fiber Optic Cleaner is a water-based, non-toxic, static-eliminating, no-residue cleaning spray designed to clean bulkheads and ferrules.

Ordering Information

PRO-CC-AQ	Fiber Optic Cleaner
PRO-CC-QC	Fiber Optic Cleaner

PRO-LFW-100

Lint-Free Wipes

Precision Rated Optics PRO-LFW-100 lint free clean wipe is designed to clean fibers and connector end-faces with alcohol and other cleaning products without leaving anything behind.

Ordering Information

PRO-LFW-100	Lint-Free Wipes (100ct)

PRO-CT2-010

Foam Swabs

Foam swabs for 2.5mm SC, SC2, FC,ST, DIN, D4 MU, LC, MT connectors

Ordering Information

PRO-CT2-002-010	2.5mm Foam Swabs - 100pk
SWB-V100	V-Groove Foam Swabs - 100pk

PRO-CT2-002

Wrapped Cleaning Stick

Wrapped cleaning stick for 1.5mm LC/MU/MT connectors

Ordering Information

PRO-CT2-002-02	1.5mm Wrapped Cleaning Stick - 100pk
PRO-CT2-002-025	1.5mm Wrapped Cleaning Stick - 5pk

Wrapped cleaning stick for 2.5mm SC/ST/FC connectors

Ordering Information

PRO-CT2-002-01	2.5mm Wrapped Cleaning Stick - 100pk
PRO-CT2-002-015	2.5mm Wrapped Cleaning Stick - 5pk

CK-CLEAN *Cleaning Kits*

PRO-CK-TECH

PRO-CK-CLEAN-BA

PRO-CK-CLEAN-01

PRO-CK-CLEAN-02

Cleaning Kits

Item Code	Description	PRO-CK-TECH	PRO-CK-CLEAN-BA	PRO-CK-CLEAN-01	PRO-CK-CLEAN-02
PRO-BAG-SMALL	10" x 12" Black Canvas Bag	X			
PRO-BAG-LARGE	12" x 10" x 11" Black Canvas Bag		X	X	X
PRO-CT2-002-015	Cleaning Stick Wrapped 2.5mm (100 Pack)	X	X	X	X
PRO-CT2-002-025	Cleaning Stick Wrapped 1.25mm (100 Pack)	X	X	X	X
TC-1	American Polywater SqueekyKleen Wipes (10)	X	X	X	X
PRO-CC-AQ	PRO Connector Cleaner Water Base	X	X	X	X
PRO-CC-QC	PRO Connector Cleaner- Pump-Spray	X	X	X	X
PRO-LFW-100	Lint-free Wipes (100ct)	X	X	X	X
P1501E-1	Cotton Swab 6" General SM (100 Pack)	X	X	X	X
FOM-0005	Swabs Mini Foam 2.5mm (50 Pack)	X	X	X	X
CP410-1	Optic Prep Pre-saturated Pads (1 Packet)		X	X	X
FOM-CP421-1	Electro-Wash Wipe (MX) (1 Packet)		X	X	X
PRO-CT-001	Fiber Optic Cleaning Cassette		X	X	X
PRO-CT-004	Replacement Cassette Reel		X	X	X
PRO-CS-125	Quick Click™ 1.25mm (LC)			X	X
PRO-CS-250	Quick Click™ 2.5mm (SC)			X	X
HM-C400S	400x Fiber Scope				X

Ordering Information

PRO-CK-TECH	*Fiber Optic Technician Cleaning Kit*
PRO-CK-CLEAN-BA	*Basic Fiber Optic Cleaning Kit*
PRO-CK-CLEAN-01	*Fiber Optic Cleaning Kit w/Quick Clicks™*
PRO-CK-CLEAN-02	*Fiber Optic Cleaning Kit w/ 400x Scope*

PRO-FSC-200 *Fiber Scrap Container*

Precision Rated Optics PRO-FSC-200 fiber optic scrap disposal can. Loose fiber optic scraps can be a safety hazard and can cause eye injuries. Be sure to keep your work space safe and clean with a PRO-FSC-200 fiber optic scrap collection can.

Ordering Information

PRO-FSC-200	Fiber Scrap Container

Phone: (888) 545-1254 • Fax: (415) 358-4602
Email: Sales@PrecisionRatedOptics.com

TOOL KITS

Item / Model No.	Description	PRO-TK-BASIC	PRO-TK-OSP	PRO-TK-PROF	PRO-TK-QWIKTERM	PRO-TK-STARTER	PRO-TK-INSTALL
PRO-BAG-LARGER	Tool-Bag for Large PRO Tool Kits	X		X	X	X	X
PRO-BAG-LOGO	9" x 12" Black Nylon Tool Bag		X				
PRO-1171	ProGrip 5 in 1 Fiber Optic Stripper	X		X			
US-8039	Fiber Optic Crimp Tool with Die	X		X		X	X
PRO-9111A	Glass Polish Plate 6" x 9"	X		X			
PRO-01071D	4" Diamond 1mm Polishing Disc			X			
FOPD-LC	Aluminum Fiber Optic Polishing Disk LC			X			
HM-C400S	400x Fiber Scope	X		X	X	X	X
FOPD-25	Universal Fiber Optic Polishing Disk	X		X			X
PP-575	Hand Polish Pad (5.75") 1/16" thick	X		X		X	X
PRO-0109-5-1-03	Polish Film 3 in 1 (5,3,1um)-25pk	X		X		X	
JIC-186	Kevlar Shears	X	X	X	X		X
CS-30-DE	Double Ended Carbide Scribe	X		X		X	X
SHARPIE-BK	Black Sharpie	X		X	X	X	X
WO-1067G	Safety Glasses	X		X		X	X
FS-200S	Fiber-Safe Fiber Trash Can	X		X	X	X	X
CP410-1	Optic Prep Tissue - 1pkt	X	X	X		X	X
WFW	Lint-Free Polyester Wipes	X		X	X	X	X
501473-31R25	Empty Syringe w/.9mm Needle-25pk	X		X		X	X
PRO-IA-4OZ	Empty 4oz Bottle for Alcohol	X		X		X	X
680	Anaerobic Adhesive Hardener	X		X		X	
7090	Loctite Formula 7090 Epoxy Hardener	X		X		X	X
RMC-6	Measurement Scale 6" (150mm)	X	X	X		X	X
648	Loctite Epoxy						X
JIC-375	Fiber Optic Stripper Three Hole				X	X	X
PRO-10102-1	1um Aluminum Oxide Polish Film 9' x 6.5"						X
PRO-10102-5	5um Silicon Carbide Polish Film 9" x 6.5"						X
SMART-STRIP	Buffer Tube Stripper						X
PRO-1008	Canned Air - Tech Spray 10oz						X
PRO-0008	Electrical Tape						X
FS-C20	Fiber Optic Cleaver				X		
POCO3M	Fiber Optic Splice and Connector Cleaner				X		
FS100	Black Polish/Work Mat (14 x 22)				X		
8892	3m Polish Puck for ST, FC, & SC					X	
ES-1964	Electrician's Scissors					X	
N/A	Armored Cable Slitter		X				
CFS-2	CST-1900: Round Cable Stripper		X				
N/A	High Leverage Cable Cutters		X				
N/A	Ergonomic Cable Splicing Knife		X				
N/A	Hollow Shaft Nutdriver 1/2"		X				
PRO-SS-60	60mm Clear Splice Sleeves		X				
PRO-TC1	SqueekyKleen Telcom Cleaner Satur. Wipes		X				

PRECISION RATED OPTICS

Product Selection Tool

Fiber Test and Troubleshooting Instruments

	Optical Loss Test Set	Visual Fault Locator	Optical Fiber Identifier	OTDR	Video Inspection Probe	Optical Loss Multimeter	Optical Break/ Fault Locator
Inspect end-face contamination and/or damage?				X	X		
Analyze connectivity?	X	X	X	X			
Analyze polarity?	X	X	X				
Bi-directional testing?	X			X			X
Identifying fiber/connectors?		X	X				
Measure Attenuation?	X			X		X	
Locate breaks/faults?		X		X			X
Verify continuity?							
Inspection of installed connectors?		X					
Pass/fail results?				X			
Routine Maintenance?					X		X
Data Storage?				X		X	
Fiber types supported?	SM/MM	SM/MM	MM	SM/MM	SM/MM	SM/MM	SM
Source type?	Laser & LED	Laser & LED	LED	Laser & LED	Laser & LED	Laser & LED	Laser

	Optical Power Meter 100 Series	Optical Power Meter 200 Series	Optical Light Source 100 Series	Optical Light Source 200 Series	Fusion Splicer	PON Meter
Inspect end-face contamination and/or damage?						
Analyze connectivity?						
Analyze polarity?						
Bi-directional testing?	X	X	X	X		
Identifying fiber/connectors?	X	X	X	X	X	
Measure Attenuation?	X	X			X	X
Locate breaks/faults?						
Verify continuity?	X	X				
Inspection of installed connectors?						
Pass/fail results?						
Routine Maintenance?						X
Data Storage?						
Fiber types supported?	SM/MM	SM/MM	SM/MM	SM	SM	SM
Source type?	Laser & LED	Laser & LED	Laser & LED	Laser	Laser	Laser

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Splicer Comparison Sheet

Description	PRO-730	PRO-790	PRO-810	FITEL S178A	Sumitomo Type Q 101	FSM-70S
Applicable Fibers	SM, MM, DS, NZ-DS, EDF	SM, MM, DS, NZ-DS(G655), G655,G657 and others	SM,MM,DS,NZ-DS,EDF and others	SM, MM, DS, NZ-DS, EDF	SM, MM, DS, NZ-DS	SM, MM, DS, NZ-DS
Average Splice Loss (dB)	0.02 SM, 0.01 MM, 0.04 DS, 0.04 NZDS	0.01db (MM), 0.02db (SM), 0.05db (DS/NZDS/G.655/G.657)	.02dB(SM), .01dB(MM), .04dB (NZ-DS)	0.02 SM, 0.01 MM, 0.04 DS	0.02 SM, 0.01 MM, 0.04 DS	0.02 SM, 0.01 MM, 0.04 DS, 0.04 NZDS
Splice Time	8 Seconds	8 Seconds	8 Seconds.	7 Seconds	7 Seconds	12 Seconds (AUTO mode)
Heater Time	40 Seconds	35 Seconds.	30 Seconds	25 Seconds	28 Seconds (equipped with dual heaters)	14-17 Seconds
Splicing Method	Core Alignment	Core Alignment	Core Alignment	Core Alignment	Core Alignment	Core Alignment
Cladding Diameter	100 to 150 um	80-150 um	100-150 um	80 to 150 um	80-150 um	80-150 um
Monitor	5.1" Color LCD	3.5" Color LCD, 200x	Color 5.0"in diagonal HD LCD, 360x Magnification	3.5"	4.1" Color LCD	4.73" Color LCD
Data Storage	8000 Splices	10000 Splice Records	8000 Splices	2000 Splices	10,000 Splices	2,000 Splices
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Annual Clean & Calibrate During Warranty	Yes	Yes	Yes	No	No	No

PRO®

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